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JOINT DOCUMENTS.

JOINT DOCUMENTS
OF THE
STATE OF MICHIGAN

FOR THE YEAR 1893

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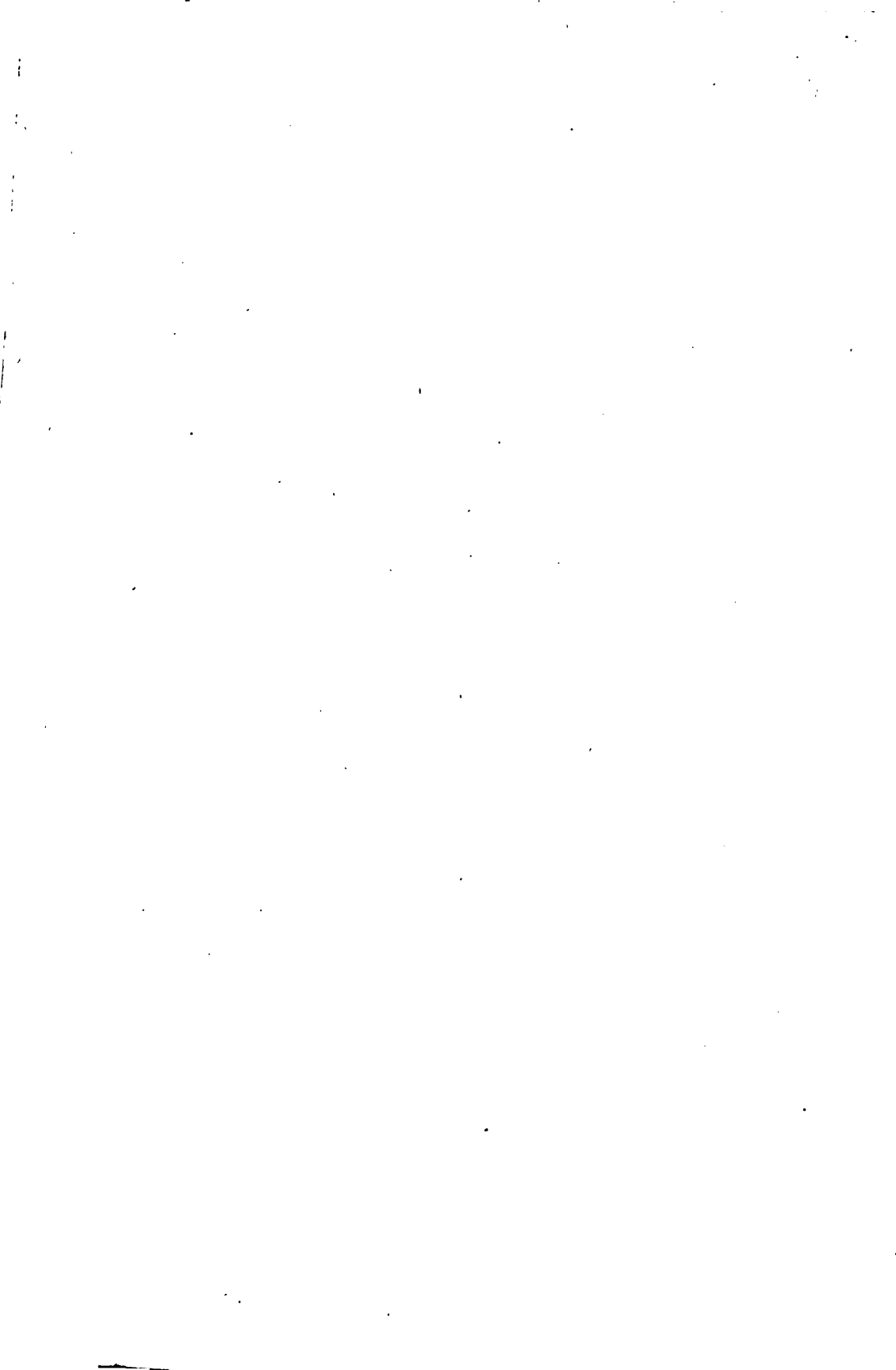
IN FOUR VOLUMES

VOL. I.



BY AUTHORITY.

LANSING
ROBERT SMITH & CO., STATE PRINTERS AND BINDERS
1893



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2. **First Annual Report of Inspection of Factories in Michigan, made under the direction of the Bureau of Labor and Industrial Statistics, February, 1, 1894.**
3. **First Annual Report of the Dairy and Food Commissioner of the State of Michigan, 1893.**



BUREAU OF LABOR

AND

INDUSTRIAL STATISTICS

MICHIGAN

ELEVENTH ANNUAL REPORT



FEBRUARY 1, 1894

BY AUTHORITY

LANSING, MICH
ROBERT SMITH & CO., STATE PRINTERS AND BINDERS
1894



LETTER OF TRANSMITTAL.

STATE OF MICHIGAN,
BUREAU OF LABOR AND INDUSTRIAL STATISTICS, }
Lansing, Mich., February 1, 1894.

To the HON. JOHN T. RICH,
Governor of Michigan.

SIR—Act No. 167 Session Laws of 1891 directs the Commissioner of Labor to make an annual report to the Governor. In accordance with the provisions of that act, I have the honor to transmit, herewith, the eleventh annual report of this bureau.

Very Respectfully,

CHAS. H. MORSE,
Commissioner of Labor.

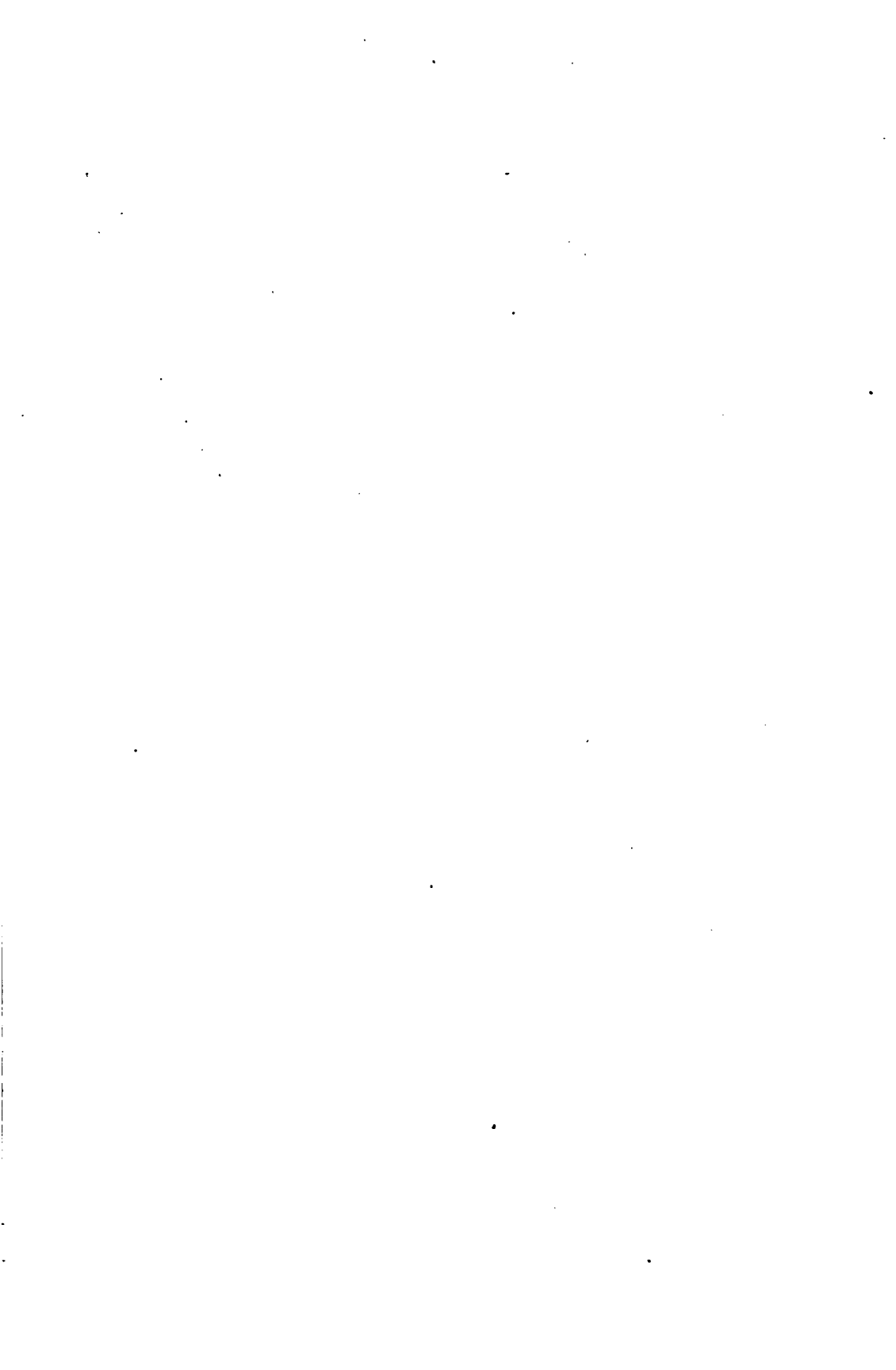


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INTRODUCTORY.



INTRODUCTORY.

The Michigan Bureau of Industrial and Labor Statistics was inaugurated in 1893. That its reports are recognized is demonstrated by the requests for complete sets, or as many as can be furnished, which are continually being received. The Bureau is unable to supply only a very few except the last report.

When the present officers assumed control, April 13, 1893, every kind of business was reasonably active and labor was fairly well employed and paid.

In deciding upon the line of work to be pursued, it seemed to the Commissioner that the railway employes of Michigan afforded a fine field for investigation. There are no more intelligent laborers in the State than the railroad men. They occupy positions of trust and responsibility second to none. How faithfully they have discharged their duties is shown by the small number killed or injured of the millions of people carried over the roads during the past year.

The conditions surrounding the laboring population have been continually changing throughout the year. The year opened with business fairly active. It closed with very many of its manufacturing places closed down, or running on part time, and with their force of employes, in many cases, reduced in number and wages. Under such circumstances, it is not strange that pauperism has increased and that many, though not objects of charity, are enduring privations hitherto unknown. An extra session of the legislature to provide for the destitute was only averted by the prompt response to the Governor's proclamation, asking the people to contribute voluntarily to the support of the needy.

In its proper place will be found figures showing the number out of employment, as gathered by the factory inspectors appointed by the Labor Bureau, in the factories inspected by them since September 1, 1893. It is to be regretted that there are no means available to this Bureau through which an approximate number of those out of employment, in whole or in part, may be obtained. Labor organizations can only furnish the number of those in their ranks. The army of unorganized laborers, outranks many times the organized and from this vast number we have really only an estimate, based on no adequate data.

It is evident, however, that the laboring class is suffering more severely from the present depression in business than any other portion of our people.

Whoever has watched this matter has seen that while many firms have closed down in whole or in part, others in the same business have kept running. Inquiries in this direction have developed, that, realizing the dependence of their employes these firms,

by increased push and energy in making sales of their products and by discounting their collections, have been able to "keep their heads above water," and also "keep the wolf from the door" of their employes. Certainly they are entitled to much credit for this.

It will also have been noticed that there are cases where firms have cut prices of labor when there has been no reduction in the price of their products, or the amount sold. Really, there is no excuse for this.

This report is subdivided into seven parts.

PART I. RAILWAY EMPLOYEES OF MICHIGAN.

These statistics are gathered from a personal canvass of many thousands of these employes. Great care has been taken to make it as full and accurate as possible. The information gathered from the men is followed by reports from general managers of all lines in Michigan, giving number of men in their employ, of each class, wages paid them, and aggregate pay rolls for 1893.

For convenience, each road has been tabulated by itself, giving beside an easier comparison with other roads. The information published has been gathered from employes and where applicable from the general officers of the roads. A careful examination will show that in such cases there is a substantial agreement in the matter. While the information published here will interest railroad men more than others, it will be found entertaining to whoever is concerned in the welfare of these wage earners.

PART II.—STRIKES.

An extended history of the strike in March, 1893, on the Toledo, Ann Arbor & Northern Michigan Railway is given. The history is furnished by a representative employe engaged in the strike and also by the general manager of the road. Following this are the decisions of the United States courts in the matters brought before them for adjudication.

Much space has been devoted to the Toledo, Ann Arbor & Northern Michigan strike, because of the action of the U. S. courts. It is a new departure to invoke this aid in dealing with strikes and the final outcome will be watched with great interest. Already congress is asked to take cognizance of the matter, and it is not improbable that the result will be new legislation regarding the powers of the judiciary.

PART III.—LABORING POPULATION AFFECTED BY BUSINESS DEPRESSION.

In this is given the number of manufacturing places closed down or running on short time, number of employes on full time, number now, and reduction in wages. This information was gathered by factory inspectors and is reliable. The situation in the mining ranges of the upper peninsula, with the suffering among the miners caused by lack of employment, has attracted much attention. People generally have no correct conception of the growth of our mining industry, or the vast proportion it has assumed. While this report cannot pretend to publish an extended history, it is believed that what is given here will be new to very many and interesting to all. It is quite likely the future of the mining industry will be affected by pending legislation. Iron ore will continue to be mined in the Michigan ranges, but if it is to be placed at Lake Erie ports at \$2.75 per ton, the price at which it has been recently sold, it is hard to see how the miners can receive remunerative price for their labor. This country can adapt

itself to any probable condition of things, but in creating the conditions the good of those who delve deep in the earth should not be overlooked.

PART IV.—PAUPERISM IN MICHIGAN.

From reports of county superintendents of the poor a table has been arranged showing the number of persons supported in whole and part at public expense. Beside this, from information gained from county superintendents, the number of inmates in county houses and number of persons furnished temporary relief in counties for the last three months of 1892 and the corresponding period of 1893 is shown.

While the statistics given here have been published year by year, they have not before been consolidated and published as a whole. The information given is very nearly correct, and is a gratifying showing. It demonstrates that Michigan stands in the front rank, so far as the situation of its people is concerned. Of course the figures for the last three months of 1893 are extraordinary, but "when the clouds roll by" we may expect a return to our normal condition.

PART V. COMPETITION OF FREE AND CONVICT LABOR.

The number of convicts in all the penal and reformatory institutions of Michigan is given, and the number engaged in the manufacture of goods sold outside the prisons. Beside this, letters are published from wardens and superintendents of these institutions upon the subject of prison labor.

Perhaps the conclusion arrived at, may provoke criticism. "What shall be done with convicts," is a question that troubles all legislatures. In Michigan an honest effort has been made to so employ convicts that they shall interfere with free labor as little as possible. In adjusting this question, great care must be exercised that those least able to stand it are protected from this competition. It is a complicated subject, and is causing much study to those who seek a fair solution of the problem.

PART VI.—BUILDING AND LOAN ASSOCIATIONS.

Whatever contributes toward procuring homes for our population, will be of interest to them, and should command their attention. Notwithstanding all that is said, this is a nation of "home owners." Men who own their homes are better citizens—better every way for it. The investigation of these associations was made at the request of the officers of the "League," but too late to extend it far. The information furnished was voluntary on the part of the associations, and is published here in hopes that it may benefit some into whose hands this report may fall.

PART VII.—LAWS OF 1893 AFFECTING THE LABORING POPULATION.

The most important of these laws is the one providing for factory inspection. A bill was introduced in the legislature of 1891 providing for this inspection, but failed to pass. The present law went into effect August 25. As much work as could be accomplished in the mean time has been done and is productive of good results, the report of which is published in another volume.

Judging by the number of laws on our statute books for the protection of laborers, one would suppose but little more could be desired. That it is easier to enact laws than to enforce them, is quite evident from the number which are "dead letters."

REVIEW.

In its work the past year, the Michigan Labor Bureau has endeavored to show the true situation in every line of investigation it has pursued. No labor has been spared to make these investigations thorough. The situation has been constantly changing and too often for the worse. An immense amount of the business of this country is done on borrowed capital, and when capitalist or bank refused to make the usual advance, or loan, business stopped. It has been said "capital is too timid, and is continually being alarmed at trifles." The fact remains that it is timid and the result as stated.

There is little use in censuring capital. No sensible man, whether he has a hundred or a million dollars to invest, will put it where there is not a reasonable certainty that it will be safe. It was perfectly natural that, in the face of a prospective change in governmental policy, capital should decide to "wait and see." It is waiting still. It has been an anomalous condition—millions of currency lying idle, and the business interests of the country suffering from a money famine. Men say the country is going to ruin, but they fail to appreciate the energy and courage with which the American citizen surmounts every obstacle to success. We shall adapt ourselves to *any* settled policy, and success, the extent of which only the future can measure, will attend our efforts. The intelligent wage workers of the land will decide this question, and the country profiting by experience, will go on to renewed prosperity.

The Commissioner is under many obligations for valuable assistance in the work of the bureau. As a rule canvassers in the fields and clerks in the office have brought a marked degree of intelligence to the discharge of the duties assigned them. To Mr. George A. Newitt, of Ishpeming, for the valuable history of "Michigan Mines and Miners," particular acknowledgment is extended. It is the result of careful observation, incident to years of active business life in the mining ranges of the Upper Peninsula, supplemented by a personal canvass of the situation late in the past season. Mr. J. W. Selden, Deputy Commissioner, and Mr. L. S. Russell, chief clerk, have displayed marked ability in the discharge of their official duties. Their assistance has been invaluable in arranging the mass of information gathered by the canvassers and preparing it for publication.

PART I.

RAILWAY EMPLOYEES OF MICHIGAN.

In the collection of the data and the preparation of the tables which follow, an amount of effort has been put forth scarcely to be appreciated by one not conversant with this kind of research and compilation. In deciding to canvass railway employes in Michigan this Bureau entered a field of investigation hitherto unexplored. Preceding Commissioners had examined many other questions of vital interest to labor, as shown in the earlier reports of this Bureau, but heretofore the railway employes of the State have been utterly neglected. In view of the importance of this class of labor from a numerical standpoint, and in view of their generally high intelligence, this seems somewhat surprising.

The work on this part of the report began about the middle of April, 1893. The beginning consisted of the preparation of the schedule of questions which follows:

STATISTICS OF RAILROAD EMPLOYEES.

- | | |
|--|--|
| <p>1. Residence? Age?</p> <p style="padding-left: 20px;">Married or single?</p> <p>2. Where employed?</p> <p>3. Occupation at present?</p> <p>4. Nationality?</p> <p>5. Hours worked per day; winter?</p> <p style="padding-left: 20px;">Summer?</p> <p>6. Months worked past year?</p> <p>7. Lost time past year; days?</p> <p style="padding-left: 20px;">Months?</p> <p>8. Cause of lost time; sickness?</p> <p style="padding-left: 20px;">Lack of work?</p> <p style="padding-left: 20px;">Other causes?</p> <p>9. Wages per day? \$..... Month? \$.....</p> <p style="padding-left: 20px;">Per trip? \$..... Per mile, cts?</p> <p style="padding-left: 20px;">Extra for overtime?</p> <p>10. How many hours are you on duty before you draw pay for overtime?</p> <p>11. What are your average hours on duty?</p> | <p>12. How often are wages paid?</p> <p>13. Are any wages withheld under certain rules?</p> <p>14. Has there been an increase in your wages the past year at present occupation? If so, how much?</p> <p>15. Has there been any reduction in your wages the past year at present occupation? If so, how much?</p> <p>16. Are wages more or less than five years ago at your present occupation?</p> <p style="padding-left: 20px;">If more, state how much?</p> <p style="padding-left: 20px;">If less, state how much?</p> <p>17. Total earnings past year: regular time \$..... Overtime? \$.....</p> <p>18. Number in family? Adults?</p> <p style="padding-left: 20px;">Children?</p> <p>19. Have you saved money in past year?</p> <p style="padding-left: 20px;">How much?</p> |
|--|--|

- | | |
|---|---|
| <p>20. Do you own a home?
 If so, is it clear of incumbrance?.....
 If in debt for a home, is it on contract or mortgage?.....
 How much is the debt?
 Rate of interest?.....
 Do you meet the payments?.....</p> <p>21. If renting, how much per month?.....</p> <p>22. Has there been increase or reduction in cost of living for past year?.....
 State which?.....How does it compare with five years ago?.....</p> <p>23. Can you earn more than enough to secure actual necessities for yourself and family?.....How much do you spend for beer and spirituous liquors monthly? \$.....</p> <p>24. How do times compare with one year ago; better or worse?.....
 How with five years ago?.....</p> <p>25. Do you belong to a labor organization?.....If so, its name?.....
 Location?.....Number of members when organized?.....
 Number now?</p> <p>26. What are its purposes?
 Does it affect wages?.....
 Is it fraternal?.....</p> <p>27. Does it include death benefits?
 Accidental or sick benefits?.....</p> <p>28. Have you other life insurance?.....
 Accidental?.....Fire?.....</p> <p>29. Would co-operation or profit-sharing be practicable and desirable?.....</p> | <p>30. Does immigration injure your present occupation?
 If so, how, and to what extent?</p> <p>31. Are there apprentices in your occupation?.....</p> <p>32. Under what conditions do apprentices work?.....</p> <p>33. If foreign-born, give comparative wages in America, daily? \$.....andcents? Give wages in your native country for same work daily, \$.....and.....cents?</p> <p>34. Are conditions better in this country than in your native land for saving money?.....</p> <p>35. Are laboring men, as a rule, as saving of their wages in this country as in your native land?.....</p> <p>36. What is the state of your health now?.....</p> <p>37. What is the effect of your occupation on your general health?.....</p> <p>38. Is your health better or worse than at the beginning of present year?
 How does it compare, at present, with past five years?.....</p> <p>39. Have you met with any accidents since you commenced your present occupation?.....</p> <p>40. If so, of what nature?</p> <p>General remarks:</p> |
|---|---|

By comparing the schedule with the printed tables it will be noticed that not all of the matter collected had been used when the final tabulation was completed. There are many good reasons for this. Many of the questions were not generally answered, and nothing like true conclusions could be drawn from the few replies that were received. This is especially true of the latter part of question 23. Again, the answers to some of the queries indicated that the true import of the questions was not thoroughly understood either by the canvasser or the person canvassed. Question number 29 is an illustration of this condition of affairs. Then, some of the information collected was found to be nearly, if not quite, useless, when it came into the hands of the tabulators. Upwards of ten thousand men were personally interviewed by the representatives of this Bureau. Of this number only a trifle over six thousand found their way into this report. The first and foremost reason for this elimination is a lack of space. The Bureau had already decided, that the length of the report for 1894 should not exceed six hundred pages. A little calculation showed that the tables for ten thousand men would occupy the whole space allotted, leaving no room for the other subjects which have been touched upon in this report, and which thrust

themselves upon the attention of this Bureau in a manner not to be disregarded. In fact when the returns of the railway employes began to come in, the several other departments had already been arranged for, and it was desirable that the whole ground should be covered. Then again, the several classes of employes were not proportionately represented in the canvass, and in order to grade them down to a proper basis, it was necessary to sacrifice much. This proportionate inequality of the several classes of men is explained by the fact that canvassers were paid by the piece, and naturally they canvassed those nearest at hand and easiest of access.

It was with a heavy heart that the manipulator of the blue pencil accomplished his task of striking out the matter necessary to shrink the tables 40%. The remainder is offered as an earnest, honest attempt to show the actual condition of railway men in Michigan, between the dates of June 1 and August 1, 1893. The original schedules as well as the tabulated results for the whole number of men can be found on file at the Labor Bureau, should there be any question as to the correctness of the figures; and in any case of doubt the Bureau invites inspection of originals. Neither fear or favor has influenced this Bureau or its agents in the collection and compilation of these figures. And there is every reason to believe that the men, from whom replies were obtained, have been equally honest and anxious to reflect their true condition, and to assist in making the work reliable.

This work has been materially assisted by the *local lodges* of the several organizations of railway employes. Much important information and many of the most valuable suggestions embodied, comes from members of the Orders and Brotherhoods. In no case have they shown lasting opposition to the work, and in very few cases indifference, even. Prompt and cordial co-operation has been the rule, both among the men and the corporations. To the general officers of the Michigan railways this Bureau is indebted to a marked degree. As a rule they have been prompt to respond to the queries put to them in relation to the business of their roads, even when the replies involved no small amount of inconvenience to themselves. Their treatment of the officers of this Bureau has been uniformly courteous and considerate.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.		Days.
1	Filer City	Conductor	M. & L.	Am.	27	m	2	2	14	12	12		
2	Manistee	"	"	"	34	"	2	5	13	12	12		
3	East Lake	"	"	"	44	"	5	5		12	8	4	Lack of work
4	Manistee	"	"	"	38	"	4			12	8	4	"
5	"	Engineer	"	"	28	s				11	8	4	"
6	"	"	"	"	45	m	5	15	13	12	12		
7	"	"	"	"	27	"		14	12	12	12		
8	"	"	"	"	26	m	1	13	12	12	12		
9	East Lake	"	"	Pole	45	"	10		11	7	5		Lack of work
10	"	"	"	Am.	34	"	3		10	8	4		"
11	Manistee	Fireman	"	"	25	s		13	12	12	12		
12	Filer City	"	"	"	23	"			10	7	5		Lack of work
13	East Lake	"	"	Can.	25	"			10	8	4		"
14	"	"	"	Am.	21	"			11	8	4		"
15	Filer City	"	"	Dane.	36	m	2		10	8	4		"
16	East Lake	Brakeman	"	Am.	28	s			11	8	4		"
17	"	"	"	"	26	"		10	10	12	4		"
18	"	"	"	Swede	32	m	2	5	12	8	4		"
19	Manistee	"	"	Ger.	35	s		13	12	12	12		
20	East Lake	"	"	Can.	32	m	2	5	13	12	12		
21	Filer City	"	"	Am.	27	"	1	14	12	12	12		
22	"	"	"	"	25	"	3	14	12	12	12		
23	"	"	"	"	23	"	3	13	12	12	12		
24	Manistee	Operator	"	"	25	s		15	13	12	12		
25	"	Car repairer	"	"	23	"		10	10	12	12		
26	East Lake	"	"	"	24	"		10	10	12	12		
27	Filer City	"	"	"	28	"		10	10	12	12		
28	"	"	"	"	38	m	2	6	10	10	10	2	Lack of work
29	"	"	"	"	44	"	3	10	10	12	12		
30	"	Machinist	"	"	42	"	3	10	10	12	12		
31	"	"	"	Dane.	42	"	3	10	10	12	12		
32	"	"	"	Am.	26	s		10	10	12	12		
33	"	"	"	"	45	m	2	5	10	10	12		
34	Manistee	"	"	"	34	"	2	10	10	9	8		Sickness
35	Filer City	Switchman	"	Dane.	31	"	2	12	12	12	12		
36	Manistee	Wiper	"	Am.	22	s		12	7	7	5		
37	"	"	"	"	38	m	2	10	12	7	5		
38	East Lake	"	"	Swede	25	s		10	12	7	5		
39	Manistee	"	"	Am.	25	"		12	8	4			Lack of work
40	"	"	"	"	32	m	2	2	10	12	12		
41	Filer City	"	"	Ger.	22	s		12	12	10	2		Sickness
42	"	"	"	Swede	30	"		12	12	9	3		
43	Manistee	"	"	Eng.	23	"		12	8	4			Lack of work
44	Filer City	"	"	Nor.	30	m	2		12	8	4		
45	East Lake	Sectionman	"	Am.	35	"	2	4	10	7	5		"
46	Filer City	"	"	Swede	24	s			10	7	5		"
47	"	"	"	Pole	44	m	2	8	10	7	5		"
48	Manistee	"	"	Am.	24	"	2		10	7	5		"
49	"	"	"	Ger.	21	s			10	6	6		"
50	"	"	"	Dane.	23	"			10	7	5		"
51	East Lake	"	"	Am.	21	"			10	7	5		"
52	Filer City	"	"	Pole	24	"			10	7	5		"
53	East Lake	"	"	Swede	25	"			10	6	6		"
54	Stronach	"	"	Pole	47	m	2	5	10	7	5		"
55	Filer City	"	"	"	31	"	2	5	10	7	5		"
56	East Lake	"	"	"	45	"	2	4	10	7	5		"
57	"	"	"	Pole	41	"	2	2	10	7	5		"
58	Manistee	"	"	Ger.	29	"	2	1	10	7	5		"
59	East Lake	"	"	"	30	"	2	3	10	7	5		"
60	"	"	"	"	27	s			10	7	5		"
61	Manistee	"	"	Pole	26	m	2		10	7	5		"
62	East Lake	"	"	Norw.	40	"	2	6	10	6	6		L. of w. & sick
63	"	"	"	Ger.	42	"	2	5	10	6	6		Lack of work
64	"	"	"	French	25	s			10	7	5		"
65	"	"	"	Ger.	32	"			10	6	6		"
66	Filer City	"	"	Swede	24	"			10	7	5		"
67	East Lake	"	"	Dane	48	m	2	2	10	7	5		"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
13	mo.	\$75 00	yes*	mo.	\$900		\$900		neither	inc. 25%	\$300	worse	worse
12	"	75 00	"	"	900	\$50	950		"	inc. 10%	250	"	same
12	"	50 00	"	"	400	25	425		"	inc. \$25.00	150	same	worse
12	"	50 00	"	"	400	50	450		"			"	"
11	"	50 00	"	"	400		400		"			"	same
14	"	90 08	"	"	1,080	40	1,120		"	inc. 25%	850	worse	worse
13	"	90 00	"	"	1,080		1,080		"	inc. 33 1/4%	600	"	"
12	"	90 00	"	"	1,080	50	1,130		"	inc. 25%	500	"	"
10	"	80 00	"	"	580	50	630		"	inc. \$20.00	no	"	"
10	"	80 00	"	"	640	35	675		"	inc. 20%	200	same	"
12	"	50 00	"	"	600	25	625		"	"	300	worse	"
10	"	47 00	"	"	329	15	344		"	"	no	same	"
10	"	47 00	"	"	378		378		"	inc. 30%	50	"	"
11	"	47 00	"	"	378		378		"	"	no	"	same
10	"	47 00	"	"	378	10	388		"	inc. 20%	"	"	worse
11	"	45 00	"	"	360		360		"	neither	"	"	same
11	"	45 00	"	"	360	35	395		"	"	"	"	"
12	"	45 00	"	"	380	45	405		"	"	"	"	worse
12	"	50 00	"	"	680		680		"	"	200	"	"
12	"	50 00	"	"	600		600		"	"	200	"	same
13	"	50 00	"	"	600	30	630		"	neither	150	worse	worse
13	"	50 00	"	"	600	40	640		"	"	125	"	"
12	"	50 00	"	"	600	25	625		"	"	no	"	"
14	"	45 00	"	"	540		540		"	inc. 50%	"	same	"
10	day	2 00	yes*	"	628		628	10	"	"	"	"	same
10	"	2 00	"	"	628	10	638	10	"	neither	"	"	"
10	"	2 00	"	"	628		628		"	"	175	"	"
10	"	2 00	"	"	520		520		"	"	no	"	worse
10	"	2 75	yes*	"	861	30	891	10	"	"	"	worse	same
10	"	2 00	"	"	628	20	648	10	"	inc. 15%	250	"	better
10	"	2 00	"	"	628		628	10	"	"	no	same	same
10	"	2 00	"	"	628	25	653	10	"	inc. 20%	175	"	better
10	"	2 00	"	"	488	20	488	10	"	neither	100	"	same
12	mo.	10 00	"	"	480		480		inc. \$1.00	"	no	worse	worse
12	"	25 00	"	"	245		245		neither	inc. 20%	"	same	same
11	"	35 00	"	"	245		245		"	"	"	"	"
11	"	35 00	"	"	245		245		"	"	"	"	"
12	"	35 00	"	"	280		280		"	neither	"	"	"
11	"	40 00	"	"	420		420		inc. 50c	"	"	worse	worse
12	"	40 00	"	"	400		400		neither	"	"	"	"
12	"	40 00	"	"	360		360		"	"	"	same	same
12	"	35 00	"	"	280		280		"	"	"	"	"
12	"	35 00	"	"	280		280		"	"	"	"	"
10	day	1 75	"	"	459		459		"	neither	200	"	worse
10	"	1 25	"	"	273		273		"	"	no	"	same
10	"	1 25	"	"	273		273		"	"	"	worse	worse
10	"	1 25	"	"	273		273		"	"	"	"	"
10	"	1 25	"	"	234		234		"	"	"	"	"
10	"	1 25	"	"	228		228		"	neither	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	195		195		"	neither	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	neither	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	195		195		"	"	"	"	"
10	"	1 25	"	"	195		195		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	195		195		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
100	East Lake	Sectionman	M. & L.	Am.	22	s				10	7	5		Lack of work
101	"	"	"	Pole	36	m			1		7	6		"
102	Manistee	"	"	French	31	s	2		2		10	7		"
103	East Lake	"	"	Pole	33	s					10	7		"
104	"	"	"	Norw.	35	m	2	3			10	7		"
105	Manistee	"	"	Swede.	24	s					10	7		"
106	East Lake	Constr'nman	"	Ger.	38	m	2	6			10	7		"
107	"	"	"	Am.	22	s					10	7		"
108	"	"	"	Swede.	28	m		5			10	7		"
109	"	"	"	Pole	37	s		4			10	7		"
110	"	"	"	Dane	32	s		2			10	7		"
111	"	"	"	Swede	24	s					10	7		"
112	"	"	"	Ger.	38	m		2			10	7		"
113	"	"	"	"	43	"		6			10	7		"
114	"	"	"	Am.	39	"					10	7		"
115	Stronach	"	"	Can.	25	s					10	7		L. of w. & sick
116	Manistee	"	"	Ger.	40	m		3			10	7		Lack of work
117	Filer City	"	"	Pole	49	"	2	7			10	6		"
118	Stronach	"	"	French	22	s		3			10	5		L. of w. & sick
119	East Lake	"	"	Ger.	35	m	2	3			10	7		"
120	"	"	"	"	47	"	2	3			10	7		Lack of work
121	Filer City	"	"	Dane	26	s					10	7		"
140	Manistee	Conductor	M. & N. E.	Norw.	35	s			14	14	12			
141	"	"	"	Ger.	42	m		5	15	13	12			
142	"	"	"	Am.	28	"			16	14	12			
143	"	"	"	"	27	s			14	14	10	2		Lack of work
144	"	"	"	"	41	m		3	14	13	12			
145	"	"	"	French	24	s			15	13	12			
150	"	Engineer	"	Am.	26	m			17	14	12			
151	"	"	"	Ger.	38	"		4	17	14	9			
152	"	"	"	Eng.	25	s			17	14	9	3		L. of w. & sick
153	"	"	"	Irish	46	m		4	17	14	12			
154	"	"	"	Can.	49	"		7	17	14	10	2		
155	"	"	"	Am.	40	"		5	16	14	12			
157	"	Fireman	"	"	35	"		3	12	12	12			
158	"	"	"	"	26	"			17	14	12			
159	"	"	"	"	26	s			12	12	11	1		Sickness
160	"	"	"	Dane	29	m			13	12	12			
161	"	"	"	Swede.	34	"		2	12	12	10	2		Sickness
162	"	"	"	Can.	26	s			12	11	10	2		"
164	"	Brakeman	"	"	26	m			17	14	12			
165	"	"	"	Swede.	39	s			16	15	12			
166	"	"	"	Am.	39	m		3	16	15	10	2		Sickness
167	"	"	"	French	34	"			15	14	12			
168	"	"	"	Ger.	33	"		5	14	14	7	5		L. of w. & sick
169	"	"	"	Scan.	27	s			14	14	12			
170	"	"	"	Am.	26	"			16	15	12			
171	"	"	"	Eng.	34	"			15	14	9 1/2	2 1/4		
172	"	"	"	Ger.	45	m		7	14	14	12			
173	"	"	"	Can.	30	s			12	12	12			
184	"	Agent	"	Am.	34	m		2	11	12	12			
185	Onkema	"	"	Can.	25	"			18	13	12			
186	Copemish	"	"	Ger.	24	s			12	14	12			
187	Manistee	Train disp.	"	Am.	29	m		3	16	12	12			
188	"	G. F. & P. A.	"	"	37	"			10	12				
189	Copemish	Operator	"	"	26	"		1	12	12	12			
190	Manistee	"	"	Can.	30	"		2	16	12	12			
191	"	"	"	Am.	22	s			16	13	12			
192	"	Machinist	"	Ger.	37	m		7	10	10	9	3		Sickness
193	"	"	"	Irish	24	s			10	10	12			
194	"	"	"	Am.	25	"			10	10	12			
195	"	"	"	Eng.	30	"			10	10	12			
196	"	"	"	French	29	m		2	10	10	10	2		Sickness
197	"	"	"	Am.	28	s			10	10	12			
198	"	"	"	"	36	m		1	10	10	12			

Railway employes.

Average hours on duty.	Regular time.		Over-	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per	time.		Regular time.	Overtime.	Total.						
10	day	\$1 25	mo.	mo.	\$228		\$228		neither		no	worse	worse
10	"	1 25	"	"	195		195		"	neither	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	"	"	"
10	"	1 25	"	"	228		228		"	"	no	"	"
10	"	2 00	"	"	364		364		"	"	"	"	"
10	"	1 50	"	"	273		273		"	"	"	same	same
10	"	1 50	"	"	273		273		"	"	"	worse	worse
10	"	1 50	"	"	273		273		"	"	"	"	"
10	"	1 50	"	"	273		273		"	"	"	"	"
10	"	1 50	"	"	273		273		"	"	"	"	"
10	"	1 50	"	"	273		273		"	"	"	"	"
10	"	1 50	"	"	273		273		"	"	"	"	"
10	"	1 50	"	"	234		234		"	"	"	same	same
10	"	1 50	"	"	273		273		"	"	"	worse	worse
10	"	1 50	"	"	234		234		neither	"	"	"	"
10	"	1 50	"	"	195		195		"	"	"	same	same
10	"	1 50	"	"	273		273		"	"	"	worse	worse
10	"	1 50	"	"	273		273		"	"	"	same	same
10	"	1 50	"	"	273		273		"	"	"	same	same
14	mo.	75 00	yes*	"	900	\$30	930		"	inc. \$35.00	"	worse	worse
14	"	75 00	"	"	900		900		"	inc. \$25.00	"	"	"
14	"	75 00	"	"	900	50	950		"	neither	"	"	"
15	"	70 00	"	"	700		700		"	"	"	"	"
14	"	80 00	"	"	960	90	1,050		"	"	\$150	"	"
14	"	75 00	"	"	900		900		"	"	no	"	"
16	"	90 00	"	"	1,080	75	1,155		"	"	600	"	"
15	"	90 00	"	"	1,080	75	1,155		"	"	275	same	same
16	"	90 00	"	"	810	50	860	16	"	inc. \$30.00	no	worse	worse
16	"	90 00	"	"	1,080	70	1,150		"	15.00	200	"	"
15	"	90 00	"	"	900	60	960		"	25.00	100	same	"
15	"	90 00	"	"	1,080	75	1,155		"	25.00	200	worse	"
12	"	50 00	"	"	600	15	615		"	dec. 10.00	no	same	"
16	"	50 00	"	"	600	25	625		"	10%	no	worse	"
12	"	50 00	"	"	550	21	571		"	neither	100	same	better
12	"	50 00	"	"	600	20	620		"	"	no	same	same
12	"	50 00	"	"	500	15	515		"	inc. \$10.00	200	better	worse
12	"	60 00	"	"	600		600		"	inc. \$5.00	100	same	better
15	"	50 00	"	"	600	20	620		"	"	no	"	worse
15	"	50 00	"	"	600	15	615		"	neither	"	"	same
15	"	60 00	"	"	500		500		"	"	"	worse	worse
14	"	50 00	"	"	600	15	615		"	inc. \$15.00	"	same	"
14	"	50 00	"	"	850	20	870		"	neither	"	worse	"
14	"	50 00	"	"	600		600	14	"	"	"	same	same
15	"	50 00	"	"	600	35	635	16	"	"	"	worse	worse
15	"	60 00	"	"	475		475		"	"	75	"	"
14	"	50 00	"	"	600	15	615		"	inc. \$20.00	no	same	"
12	"	30 00	"	"	600	25	625		inc. \$180.00	neither	100	"	same
11	"	65 00	"	"	780		780		neither	neither	130	"	"
13	"	40 00	"	"	480		480		"	inc. \$180.00	no	"	"
13	"	45 00	"	"	540		540		"	"	100	"	"
14	"	40 00	"	"	480		480		"	"	"	"	"
8	"	90 00	"	"	1,080		1,080		"	"	"	worse	worse
12	"	40 00	"	"	480		480		inc. \$180.00	neither	200	same	same
14	"	40 00	"	"	480		480		"	"	no	"	"
14	"	40 00	"	"	480		480		inc. \$180.00	neither	"	"	"
10	day	2 50	yes*	"	585	60	645	10	"	dec. \$180.00	"	"	"
10	"	2 60	"	"	780	25	805	10	"	dec. \$120.00	275	better	worse
10	"	2 75	"	"	855	50	905	10	"	"	no	same	same
10	"	2 50	"	"	740	65	805	10	"	dec. 20%	50	"	"
10	"	2 50	"	"	650		650	10	"	decrease	125	"	worse
10	"	2 75	"	"	865	40	905	10	"	dec. \$10.00	300	"	"
10	"	2 50	"	"	660	50	710		"	neither	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
199	Manistee	Machinist	M. & N. E.	Am.	26	s			10	10					
200	"	"	"	Ger.	33	m	2	3	10	10	12				
201	"	"	"	Can.	45	s	2	0	10	10	12				
202	"	"	"	Swede.	42	"	2	3	10	10	12				
203	"	"	"	Dane	22	s			10	10	10		2		Sickness
210	"	Boiler mak'r	"	Am.	35	m	2	7	10	10	12				
211	"	"	"	"	29	s			10	10	12				
212	"	Switchman	"	Scotch	30	m	3	6	13	12	12				
213	"	"	"	Am.	29	"	2	4	13	12	12				
214	"	"	"	"	35	s			12	12	12				
215	Filer City	Target man.	"	"	34	m	2	6	12	12	11		1		Sickness
216	Manistee	Car inspec'r	"	"	45	"	2	2	10	10	12				
217	"	Helper	"	Ger.	42	"	2	5	12	10	10		2		Sickness
218	"	"	"	Am.	21	s			10	10	12				
219	"	"	"	Pole	35	m	2	8	10	10	12				
220	"	"	"	Ger.	31	"	2	1	10	10	12				
221	"	Wiper	"	Am.	25	s			10	10	12				
222	"	"	"	Nor.	22	"			12	12	12				
223	"	"	"	French	26	"			12	12	10		2		Sickness
224	"	"	"	Am.	28	"			10	11	8		4		Lack of work
225	"	Ware h'man	"	Swede.	26	"			12	10	12				
226	"	"	"	Ger.	25	m	2	1	10	10	12				
227	"	"	"	French	45	"	2	3	12	10	12				
228	"	"	"	Ger.	40	"	2	2	10	10	10		2		Sickness
229	"	"	"	Swede.	27	s			10	10	12				
230	"	"	"	Pole	33	m	2	5	10	10	12				
231	Onokema	Sectionman	"	Irish	52	"	4	4	10	10	12				
232	"	Laborer	"	"	35	s			10	10	10		2		Vacation
233	"	"	"	"	35	"			10	10	10		2		"
234	"	"	"	"	35	"			10	10	10		2		"
235	"	"	"	"	35	"			10	10	10		2		"
236	"	"	"	"	35	"			10	10	10		2		"
237	"	"	"	"	35	"			10	10	10		2		"
238	"	"	"	"	35	"			10	10	10		2		"
239a	"	"	"	"	35	"			10	10	10		2		"
239b	"	"	"	"	35	"			10	10	10		2		"
239c	"	"	"	"	35	"			10	10	10		2		"
240	Buttersville	Conductor	M. & O.	Am.	33	m	2	2	10	10	12				
241	"	"	"	"	43	"	2	1	10	10	12				
242	Walkerville	"	"	"	43	"	2	3	8	8	12				
243	Buttersville	Engineer	"	"	39	w	1	4	14	14	12				
244	"	"	"	Ger.	34	"	1	4	14	14	12				
245	"	"	"	Am.	35	s			14	14	12				
246	"	"	"	"	38	m	2	1	13	16	12				
247	"	"	"	Ger.	42	"	2	2	18	15	12				
248	"	"	"	Am.	44	"	2	1	18	15	12				
252	"	Fireman	"	"	23	s			12	12	12				
253	"	"	"	"	28	"			14	14	12				
254	"	"	"	"	47	m	2	1	12	12	12				
255	Walkerville	"	"	Swede.	38	"	2	2	13	13	8		4		
256	Buttersville	"	"	Am.	26	s			15	15	12				
257	Stetson	"	"	"	23	"			13	13	12				
258	Buttersville	Brakeman	"	"	29	"			10	10	7		5		Sickness
259	Walkerville	"	"	Can.	27	"			11	11	11		1		Lack of work
260	"	"	"	Am.	25	"			12	12	12				
261	Buttersville	"	"	"	24	"			10	10	7		5		Sick & lack w
262	Stetson	"	"	"	23	m	2	1	12	12	12				
263	Walkerville	"	"	"	27	s			12	12	12				
264	Buttersville	Baggage man	"	"	33	m	2	2	10	10	12				
265	Stetson	Checker	"	"	34	"	2	1	10	10	9		3		Lack of work
266	Buttersville	"	"	"	27	"	2	1	10	10	12				
267	Ludington	Car repairer	"	Scotch	30	"	2		10	10	10		2		Sick & lack w
268	"	"	"	Am.	33	"	3	2	10	10	12				
269	Buttersville	"	"	Scotch	48	"	2	4	10	10	12				
270	"	"	"	Am.	40	"	2	3	10	10	12				
271	Ludington	"	"	"	38	"	2	5	10	10	12				
272	Buttersville	"	"	"	32	s			10	10	12				
273	Stetson	"	"	"	40	m	2		10	10	12				
274	"	"	"	"	39	"	2	2	10	10	12				
275	Riverton	Sectionman	"	Pole	32	"	2	1	10	10	12				
276	Stetson	"	"	Am.	31	s			10	10	12				

ELEVENTH ANNUAL REPORT.

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Railway Employes.

Average hours on duty.	Regular time.		Over-time.	Pay days - how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$3 75		mo.	\$650		\$650		neither	dec. \$15.00	\$100	worse	worse
10	"	2 50	yes*	"	780	\$80	860	10	"	dec. 5%	225	same	"
10	"	2 50	"	"	780	75	855	10	"	dec. 10%	no	"	"
10	"	2 50	"	"	780	25	805	10	"	neither	250	"	same
10	"	2 50	"	"	650	20	670	10	"	decrease	no	"	"
10	"	2 50	"	"	780	50	830	10	"	dec. 5%	150	"	"
10	"	2 50	"	"	840		840		"	neither	no	"	"
13	mo.	40 00	yes*	"	480		480	18	"	"	150	"	"
13	"	40 00	"	"	480		480	18	"	"	200	"	"
12	"	40 00	"	"	450		450		"	"	no	worse	worse
10	"	50 00	"	"	600		600		"	inc. \$10.00	250	same	"
10	"	35 00	"	"	350		350		"	neither	no	"	"
10	"	35 00	"	"	420		420		"	"	75	"	"
10	"	35 00	"	"	420		420		"	"	no	"	"
10	"	35 00	"	"	420		420		"	"	100	"	"
10	"	40 00	"	"	480		480		"	"	no	"	same
12	day	1 25		"	390	25	415	12½	"	neither	"	"	"
12	"	1 25	yes*	"	825	20	845	12½	"	inc. 10%	"	"	"
11	mo.	40 00	"	"	320		320		"	neither	"	"	"
10	"	40 00	"	"	480		480		"	"	"	"	"
10	"	40 00	"	"	480		480		"	"	"	"	"
11	"	40 00	"	"	480		480		"	"	"	"	"
10	"	35 00	"	"	350		350		"	"	"	"	"
10	"	40 00	"	"	480		480		"	"	100	"	"
10	"	40 00	"	"	480		480		"	"	50	"	"
10	day	1 92	"	"	601		601		"	"	100	"	"
10	"	1 35	"	"	351		351		"	"	no	"	"
10	"	1 35	"	"	351		351		"	"	"	"	"
10	"	1 35	"	"	351		351		"	"	"	"	"
10	"	1 35	"	"	351		351		"	"	"	"	"
10	mo.	50 00	"	"	600		600		neither	neither	100	"	"
10	"	50 00	"	"	600		600		"	"	200	worse	"
8	"	50 00	"	"	600		600		"	"	100	better	better
14	"	60 00	"	"	720		720		"	neither	300	same	"
14	"	65 00	"	"	780		780		"	"	300	worse	worse
14	"	65 00	"	"	780		780		"	neither	300	better	better
13	"	60 00	"	"	720		720		"	"	200	same	same
16	"	65 00	"	"	780		780		"	"	200	same	better
16	"	65 00	"	"	780		780		"	"	185	worse	worse
12	day	1 75	"	"	547		547		"	"	no	"	"
14	"	1 50	"	"	470		470		"	"	175	"	"
12	"	1 75	"	"	547		547		"	"	200	"	"
13	"	1 75	"	"	281		281		"	"	no	"	"
13	"	1 75	"	"	547		547		"	"	200	better	better
13	"	1 50	"	"	470		470		"	"	200	worse	worse
10	mo.	40 00	"	"	280		280		"	"	75	better	better
11	day	2 00	"	"	572		572		"	"	300	same	same
13	"	1 75	"	"	548		548		"	"	200	worse	worse
10	"	1 50	"	"	273		273		"	"	no	"	same
12	"	1 50	"	"	469		469		"	"	100	same	"
12	"	1 75	"	"	548		548		"	"	100	worse	"
19	"	1 50	"	"	469		469		"	"	85	"	same
19	"	1 35	"	"	316		316		"	"	no	"	worse
10	"	1 65	"	"	516		516		"	"	100	"	"
19	"	2 50	"	"	650		650	10	"	"	200	same	same
19	"	2 50	yes*	"	783		783	10	"	"	200	worse	worse
19	"	1 65	"	"	517		517		"	"	no	"	"
19	"	1 50	"	"	470		470		"	"	200	"	"
19	"	1 75	"	"	547		547		"	"	75	"	"
19	"	1 50	"	"	470		470	10	"	"	100	"	"
19	"	1 50	"	"	470		470	10	"	"	no	"	"
19	"	1 25	"	"	391		391		"	"	100	better	better
19	mo.	60 00	"	"	720		720		"	"	400	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
287	Fern	Sectionman	M. & O.	Pole	30	s			10	10	12			
288	"	"	"	"	28	s			10	10	12			
289	Buttersville	"	"	"	38	m		5	10	10	12			
290	"	"	"	"	40	s		10	10	10	12			
291	"	"	"	Swede	48	s		10	10	10	12			
292	Fern	"	"	Pole	36	s		2	10	10	12			
293	Wiley	"	"	"	35	s			10	10	9	3		Lack of work
294	Fern	"	"	"	43	s			10	10	12			
295	Buttersville	"	"	Am.	31	w	1	2	10	10	12			
296	"	"	"	Pole	27	s			10	10	9	3		Sick & lack w
297	"	"	"	Am.	40	m	2		10	10	11	1		Lack of work
298	"	"	"	Pole	46	s			10	10	12			
312	Saginaw	Conductor	F. & P. M.	Am.	50	s			12	12	12			
313	"	"	"	"	35	s			12	12	12			
314	"	"	"	"	34	s			12	12	9	3		Sickness
315	"	"	"	"	34	m	2	2	14	14	12			
316	Bay City	"	"	"	35	s			12	12	12			
317	Saginaw	P. car cond.	"	"	40	m	2	1	6	6	5	7		Sickness
318	Manistee	Conductor	"	"	24	s			18	15	12			
319	Port Huron	"	"	"	38	m			9	9	11	1		Laying off
320	Saginaw	"	"	Can.	34	s			2	12	12			
321	Port Huron	"	"	Am.	39	s			1	8	8	10	2	Laying off
322	Saginaw	"	"	Irish	35	s			2	14	14			
323	"	"	"	Am.	28	s			8	8	12			
324	"	"	"	Scotch	25	m	3		2	16	16	12		
325	"	"	"	Am.	39	s			12	12	12			
326	"	"	"	"	43	s			3	15	15	1		Sickness
327	"	"	"	"	41	s			12	12	12			
328	Ludington	"	"	"	34	s			1	13	13			
329	Saginaw	"	"	"	32	s			6	6	12			
330	Ludington	"	"	"	34	m			7	14	14			
331	Saginaw	"	"	Eng.	34	s			1	7	7			
332	"	"	"	Am.	36	s			1	8	8			
333	"	"	"	Can.	38	s			1	8	8			
335	"	"	"	Am.	38	s			12	12	8	4		Sickness
336	"	"	"	"	33	s			8	8	12			
337	"	"	"	"	38	m			3	12	12			
338	"	"	"	"	35	s			2	11	11			
339	"	"	"	"	35	s			1	11	11			
340	"	"	"	"	35	s			3	11	11			
341	"	"	"	Ger.	38	s			4	11	11			
342	"	"	"	Am.	45	s			2	11	11			
343	"	"	"	"	52	s			8	8	12			
344	"	"	"	"	40	s			2	8	8			
345	"	"	"	Irish	38	s			1	12	12			
405	"	Engineer	"	Am.	25	s			12	12	12			
406	Sand Beach	"	"	"	40	m			5	12½	12½	14		Laying off
407	Port Huron	"	"	Can.	41	s			1	12	12	12		
408	"	"	"	Irish	51	s			3	12	12	20		Sickness
409	"	"	"	Can.	34	s			1	12	12	10		
410	"	"	"	Am.	35	s			10	10	12	15		Laying off
411	"	"	"	"	33	s			12	12	12	14		
412	"	"	"	Welch	42	m	5		6	10	10	14		" "
413	"	"	"	Can.	33	s			12	12	12	14		" "
414	Almont	"	"	Am.	36	m			15	15	12	7		" "
415	Saginaw	"	"	"	40	s			4		12	4		
416	"	"	"	"	55	s			8	8	13			
417	"	"	"	Irish	35	s			2	12	12			
418	"	"	"	Am.	46	s			3	12	12			
419	"	"	"	Dutch	45	s			8	8	12			
420	"	"	"	Am.	33	s			8	8	12			
421	"	"	"	"	48	s			2	8	8			
422	"	"	"	Irish	38	s			8	8	12			
423	"	"	"	"	32	m			4	8	8			
424	"	"	"	Am.	40	s			8	8	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	day	\$1 00	-----	mo.	\$313		\$313		neither	neither	no	same	better
10	"	1 00	-----	"	313		313		"	"	"	worse	worse
10	"	1 00	-----	"	313		313		"	"	"	"	"
10	"	1 15	-----	"	360		360		"	"	100	"	"
10	"	1 00	-----	"	313		313		"	"	no	"	"
10	"	1 09	-----	"	313		313		"	"	"	"	"
10	"	1 00	-----	"	224		224		"	"	"	same	same
10	"	1 00	-----	"	313		313		"	"	"	"	"
10	"	1 00	-----	"	313		313		"	"	100	worse	worse
10	"	1 00	-----	"	313		313		"	"	"	same	same
10	"	1 00	-----	"	286		286		"	neither	no	worse	worse
10	"	1 00	-----	"	313		313		"	"	75	same	better
12	"	3 00	yes*	"	989		939	12	"	inc. 10%	"	worse	worse
12	"	3 00	"	"	989		989	12	"	"	"	"	"
12	"	3 00	"	"	702		702	12	"	"	"	same	same
14	mo.	100 00	-----	"	1,200		1,200		"	neither	"	worse	"
12	"	100 00	-----	"	1,200		1,200	12	"	"	"	same	same
6	"	40 00	-----	"	200		200		inc. \$5 pr. m.	neither	"	worse	worse
16	"	100 00	-----	"	1,200		1,200	18	inc. 25%	inc. 10%	"	same	better
9	"	100 00	-----	"	1,100		1,100		neither	neither	"	worse	worse
12	"	100 00	-----	"	1,200		1,200		"	"	\$100	same	same
8	"	80 00	-----	yes*	980		980		"	inc. \$15 m.	no	"	"
14	mile 3c	hr. 27c	-----	"	1,000		1,000	12	"	inc. 20%	200	worse	worse
8	mo. \$100 00	yes*	-----	"	1,200		1,200		"	"	"	same	same
16	"	100 00	-----	hr. 27c	1,200		1,200	14	"	increase	"	"	"
12	mile 3c	hr. 27c	-----	"	1,200		1,200	12	"	neither	no	same	same
15	mo. \$100 00	-----	"	"	1,200		1,200		"	"	"	better	better
12	mile 3c	-----	"	"	900		900	18	inc. 10%	neither	400	same	worse
13	mo. \$100 00	-----	"	"	1,200		1,200		neither	neither	500	same	same
6	"	100 00	yes*	"	1,200		1,200		"	"	60	worse	"
14	"	75 00	-----	"	900	\$80	980	14	"	"	no	"	worse
7	"	100 00	-----	"	1,200		1,200		"	"	500	"	"
8	"	100 00	-----	"	1,200		1,200		"	"	400	"	"
12	"	75 00	-----	"	600		600		"	"	no	"	"
8	"	100 00	-----	"	1,200		1,200		neither	"	"	"	"
12	"	90 00	-----	"	1,080		1,080		"	"	"	"	"
11	"	75 00	-----	"	900		900		neither	"	200	"	"
11	"	75 00	-----	"	900		900		"	"	200	"	"
11	"	75 00	-----	"	900		900		"	"	200	"	"
11	"	75 00	-----	"	900		900		"	"	100	"	"
9	"	75 00	-----	"	900		900		"	"	200	"	"
8	"	100 00	-----	"	1,200		1,200		"	"	"	"	"
8	"	100 00	-----	"	1,200		1,200		neither	"	500	"	"
12	"	85 00	-----	"	1,020		1,020		"	neither	no	"	"
12	mile 3 1/4 c	hr. 30c	-----	"	800	12	800	12	"	inc. 20%	yes*	"	"
12 1/2	mo. \$80 00	-----	"	"	1,035		1,035		"	neither	no	"	"
12	day	3 00	-----	"	986		986	12	"	"	200	"	"
12	mo. 90 00	-----	"	"	1,020		1,020	12	inc. 20c pr. d.	neither	400	"	"
12	day	3 25	yes*	"	984	50	1,034	12	"	"	200	"	"
10	"	2 50	-----	"	722		722	10 1/2	neither	"	180	"	"
12	"	3 25	-----	"	975		975	12	"	inc. 25c p. d.	250	same	same
10	"	3 00	yes*	"	897		897	12	inc. 35c pr. d.	inc. \$1 p. d.	no	worse	worse
12	"	3 25	-----	"	972		972	12	neither	" 25c "	"	same	same
13	"	3 37	-----	"	1,080		1,080		inc. 17c pr. d.	" 37c "	"	better	better
10	"	3 50	-----	"	1,082		1,082	11	neither	" 1/4 c p. ml	"	"	"
8	mo. 100 00	-----	"	"	1,200		1,200	12	"	neither	500	worse	worse
12	"	100 00	-----	"	1,200		1,200	12	"	"	yes*	"	"
12	"	100 00	-----	"	1,200		1,200		"	"	no	"	"
8	"	112 00	-----	"	1,344		1,344	12	"	"	600	"	"
8	"	100 00	-----	"	1,200		1,200	12	"	"	no	"	"
8	"	115 00	-----	"	1,380		1,380	12	"	"	"	"	"
8	"	110 00	-----	"	1,320		1,320	12	"	"	600	"	"
8	"	100 00	-----	"	1,200		1,200	12	"	"	no	"	"
8	"	110 00	-----	"	1,320		1,320	12	"	"	400	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
287	Fern	Sectionman	M. & O.	Pole	30	s			10	10	12				
288	"	"	"	"	28	m			10	10	12				
289	Buttersville	"	"	"	38	m		5	10	10	12				
290	"	"	"	"	40	m		2	10	10	12				
291	"	"	"	Swede	48	m		3	10	10	12				
292	Fern	"	"	Pole	36	s		2	10	10	12				
293	Wiley	"	"	"	35	s			10	10	12	3			Lack of work
294	Fern	"	"	"	43	s			10	10	12				
295	Buttersville	"	"	Am.	31	w	1	2	10	10	12				
296	"	"	"	Pole	27	m			10	10	9	3			Sick & lack w
297	"	"	"	Am.	40	m			10	10	11	1			Lack of work
298	"	"	"	Pole	46	s			10	10	12				
312	Saginaw	Conductor	F. & P. M.	Am.	50	s			12	12	12				
313	"	"	"	"	35	m			12	12	12				
314	"	"	"	"	34	m			12	12	9	3			Sickness
315	"	"	"	"	34	m		2	14	14	12				
316	Bay City	"	"	"	35	m			12	12	12				
317	Saginaw	P. car cond.	"	"	40	m		1	6	6	5	7			Sickness
318	Manistee	Conductor	"	"	24	s			18	15	12				
319	Port Huron	"	"	"	38	m			9	9	11	1			Laying off
320	Saginaw	"	"	Can.	34	m		2	12	12	12				
321	Port Huron	"	"	Am.	39	m		1	8	8	10	2			Laying off
322	Saginaw	"	"	Irish	35	s		2	14	14	12				
323	"	"	"	Am.	28	s			8	8	12				
324	"	"	"	Scotch	25	m		2	16	16	12				
325	"	"	"	Am.	39	m			12	12	12				
326	"	"	"	"	43	m		3	15	15	11	1			Sickness
327	"	"	"	"	41	m			12	12	13				
328	Ludington	"	"	"	34	s		1	18	13	12				
329	Saginaw	"	"	"	32	s			6	6	12				
330	Ludington	"	"	"	34	m		7	14	14	12				
331	Saginaw	"	"	Eng.	34	m		1	7	7	12				
332	"	"	"	Am.	36	m		1	8	8	12				
333	"	"	"	Can.	38	m		1	8	8	12				
334	"	"	"	Am.	38	m			12	12	8	4			Sickness
335	"	"	"	"	38	s			8	8	12				
336	"	"	"	"	38	m		3	12	12	12				
337	"	"	"	"	38	m			12	12	12				
338	"	"	"	"	35	m		2	11	11	12				
339	"	"	"	"	35	m		1	11	11	12				
340	"	"	"	"	35	m		3	11	11	12				
341	"	"	"	Ger.	38	m			4	11	11				
342	"	"	"	Am.	45	m		2	11	11	12				
343	"	"	"	"	52	m			8	8	12				
344	"	"	"	"	40	m			8	8	12				
345	"	"	"	Irish	38	m		2	8	8	12				
346	"	Engineer	"	Am.	25	s		1	12	12	12				
347	"	"	"	"	25	m			12	12	12				
348	Sand Beach	"	"	"	40	m		5	12 1/2	12 1/2	11 1/2	14			Laying off
349	Port Huron	"	"	Can.	41	m		1	12	12	12	12			
350	"	"	"	Irish	51	m		3	12	12	12	20			Sickness
351	"	"	"	"	34	m		1	12	12	12	10			
352	"	"	"	Can.	34	m			10	10	12	15			Laying off
353	"	"	"	"	33	m			10	10	12	14			"
354	"	"	"	Welch.	42	m	5	6	10	10	12	14			"
355	"	"	"	Can.	33	m			12	12	12	14			"
356	Almont	"	"	Am.	36	m		15	15	15	7				"
357	Saginaw	"	"	"	40	m		4			4				
358	"	"	"	"	55	m			8	8	12				
359	"	"	"	Irish	35	m		2	12	12	12				
360	"	"	"	Am.	46	m		3	12	12	12				
361	"	"	"	Dutch	45	m			8	8	12				
362	"	"	"	Am.	38	m		2	8	8	12				
363	"	"	"	"	48	m			8	8	12				
364	"	"	"	Irish	38	s			8	8	12				
365	"	"	"	"	32	m		4	8	8	12				
366	"	"	"	Am.	40	m			8	8	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
10	day	\$1 00		mo.	\$313		\$313		neither	neither	no	same	better
10	"	1 00		"	313		313		"	"	"	worse	worse
10	"	1 00		"	313		313		"	"	100	"	"
10	"	1 15		"	360		360		"	"	no	"	"
10	"	1 00		"	313		313		"	"	"	"	"
10	"	1 00		"	313		313		"	"	"	"	"
10	"	1 00		"	224		224		"	"	"	same	same
10	"	1 00		"	313		313		"	"	"	"	"
10	"	1 00		"	313		313		"	"	100	worse	worse
10	"	1 00		"	313		313		"	"	no	same	same
10	"	1 00		"	286		286		"	neither	no	worse	worse
10	"	1 00		"	313		313		"	"	75	same	better
12	"	8 00	yes*	"	939		939	12	"	inc. 10%	"	worse	worse
12	"	8 00	"	"	939		939	12	"	"	"	"	"
12	"	8 00	"	"	702		702	12	"	"	"	same	same
12	mo.	100 00		"	1,200		1,200		"	neither	"	worse	"
12	"	100 00		"	1,200		1,200	12	"	"	"	same	same
6	"	40 00		"	200		200		inc. \$5 pr. m.	neither	"	worse	worse
16	"	100 00		"	1,200		1,200	18	inc. 25%	inc. 10%	"	same	better
9	"	100 00		"	1,100		1,100		neither	neither	"	worse	worse
12	"	100 00		"	1,200		1,200		"	"	\$100	same	same
8	"	80 00	yes*	"	960		960		"	inc. \$15 m.	no	same	same
14	mile 3c		hr. 27c	"	1,000		1,000	12	"	inc. 20%	200	worse	worse
8	mo. \$100 00		yes*	"	1,200		1,200		"	"	"	same	same
16	"	100 00	hr. 27c	"	1,200		1,200	14	"	increase	"	"	"
12	mile 3c			"	1,200		1,200	12	"	neither	no	same	same
15	mo. \$100 00			"	1,200		1,200		"	"	"	better	better
12	mile 3c			"	900		900	18	inc. 10%	neither	400	same	worse
13	mo. \$100 00			"	1,200		1,200		neither	neither	500	same	same
6	"	100 00	yes*	"	1,200		1,200		"	"	60	worse	"
14	"	75 00	"	"	900	\$80	980	14	"	"	"	"	"
7	"	100 00		"	1,200		1,200		"	"	no	"	worse
8	"	100 00		"	1,200		1,200		"	"	500	"	"
8	"	100 00		"	1,200		1,200		"	"	400	"	"
12	"	75 00		"	600		600		"	"	no	"	"
8	"	100 00		"	1,200		1,200		neither	"	"	"	"
12	"	90 00		"	1,080		1,080		neither	"	"	"	"
11	"	75 00		"	900		900		"	"	200	"	"
11	"	75 00		"	900		900		"	"	200	"	"
11	"	75 00		"	900		900		"	"	200	"	"
11	"	75 00		"	900		900		"	"	100	"	"
11	"	75 00		"	900		900		"	"	200	"	"
8	"	100 00		"	1,200		1,200		neither	"	500	"	"
8	"	100 00		"	1,200		1,200		"	"	no	"	"
12	"	85 00		"	1,020		1,020		"	neither	no	"	"
12	mile 3 1/2 c		hr. 30c	"	800	12	800	12	"	neither	inc. 20%	yes*	"
12 1/2	mo. \$80 00		"	"	1,035		1,035		"	neither	no	"	"
12	day 3 00		"	"	936		936	12	"	"	200	"	"
12	mo. 90 00		"	"	1,020		1,020	12	inc. 20c pr. d.	neither	400	"	"
12	day 8 25	yes*	"	"	984	50	1,034	12	"	"	200	"	"
10	"	2 50		"	722		722	10 1/2	neither	"	180	"	"
10	"	3 25		"	975		975	12	"	inc. 25c p. d.	250	same	same
12	"	3 00	yes*	"	897		897	12	inc. 35c pr. d.	inc. \$1 p. d.	no	worse	worse
15	"	3 25	"	"	972		972	12	neither	" 25c "	"	same	same
10	"	8 37		"	1,080		1,080		inc. 17c pr. d.	" 37c "	"	better	better
8	"	8 50		"	1,082		1,082	11	neither	" 1/2 c p. mi	"	"	"
10	mo. 100 00		"	"	1,200		1,200	12	"	neither	500	worse	worse
12	"	100 00		"	1,200		1,200	12	"	"	yes*	"	"
12	"	100 00		"	1,200		1,200	12	"	"	no	"	"
8	"	112 00		"	1,344		1,344	12	"	"	600	"	"
8	"	100 00		"	1,200		1,200	12	"	"	no	"	"
8	"	115 00		"	1,380		1,380	12	"	"	"	"	"
8	"	110 00		"	1,320		1,320	12	"	"	600	"	"
8	"	100 00		"	1,200		1,200	12	"	"	no	"	"
8	"	110 00		"	1,320		1,320	12	"	"	400	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Cause for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
425	Saginaw	Engineer	F. & P. M.	Am.	45	m	2	1	8	8	12			
426	"	"	"	"	60	"	2	2	8	8	12			
427	"	"	"	Ger.	30	"	2	2	12	12	12			
428	"	"	"	"	40	"	2	2	8	8	12			
429	"	"	"	Irish	54	"	3	3	8	8	12			
430	"	"	"	Am.	38	"	3	1	14	14	12			
431	"	"	"	"	40	"	2	4	12	12	12			
432	"	"	"	"	32	"	2	2	11	11	12			
433	"	"	"	"	34	"	2	3	11	11	12			
434	"	"	"	"	25	"	2	1	14	14	12			
435	"	"	"	Eng.	55	"	2	2	10	10	12			
436	"	"	"	Am.	34	"	2	2	12	12	12			
437	"	"	"	Irish	52	"	2	2	8	8	12			
438	Bay City	Fireman	"	Fr.	25	"	2	1	10	10	12			
439	Saginaw	"	"	Ger.	22	"	2	3	16	16	12			
440	"	"	"	Am.	23	s	"	"	10	10	12			
441	"	"	"	"	21	"	"	"	10	10	9	3		Lack of work
442	"	"	"	"	35	m	2	"	10	10	12			
443	"	"	"	"	34	"	3	2	10	10	12			
444	"	"	"	Can.	44	"	2	1	10	10	12			
445	"	"	"	Am.	33	"	2	2	14	14	12			
446	Manistee	"	"	"	27	s	"	"	18	18	14			
447	Saginaw	"	"	Nor.	29	"	"	"	12	12	12			
448	"	"	"	Am.	25	"	"	"	12	12	12			
449	"	"	"	"	22	"	"	"	12	12	12			
450	"	"	"	"	22	"	"	"	10	10	12			
451	"	"	"	"	23	"	"	"	7	7	12			
452	Ludington	"	"	Fr.	28	"	"	"	10	10	12			
453	"	"	"	Am.	48	m	2	1	10	10	12			
454	"	"	"	"	19	s	"	"	14	14	12			
455	"	"	"	"	33	"	"	"	10	10	12			
456	"	"	"	Can.	34	m	2	4	16	16	12			
457	Saginaw	"	"	Am.	"	"	2	2	"	"	12			
458	Port Huron	"	"	"	32	"	"	1	14	14	12			
459	"	"	"	"	30	"	2	"	10	10	12			
460	Saginaw	"	"	"	21	s	"	"	15	16	11	1		Laid off for rest
461	"	"	"	"	"	m	2	1	"	"	12			
462	"	"	"	"	36	s	"	"	12	12	12			
463	Sand Beach	"	"	Can.	34	m	2	3	12 1/2	12 1/2	11 1/2	14		Laying off
464	Port Huron	"	"	Am.	24	s	"	"	12	12	12	20		Sickness
465	"	"	"	Can.	27	m	2	1	13	12	8	4		
466	Almont	"	"	"	31	"	2	"	15	15	12	8		Laying off
467	Port Huron	"	"	"	33	s	"	"	10	10	11	1		
468	"	"	"	Am.	26	"	"	"	12	12	12	12		"
469	"	"	"	Irish	25	"	"	"	12	12	12	3		Sickness
470	Port Austin	Brakeman	"	Eng.	38	m	2	1	15	15	11 1/2	14		Vacation
501	Flint	"	"	Am.	23	s	"	"	6	6	12			
502	Ludington	"	"	"	48	m	2	3	14	14	11	1		Sickness
503	"	"	"	"	44	s	"	"	10	10	12			
504	"	"	"	"	32	m	2	1	14	14	12			
505	"	"	"	"	18	s	"	"	10	10	8			Sickness
506	"	"	"	"	34	m	2	"	14	14	9	3		
507	"	"	"	"	34	m	2	"	14	14	8	4		Lack of work
508	Saginaw	"	"	Dane	33	"	2	2	13	13	8			
509	"	"	"	Am.	32	"	2	2	8	8	12			
510	"	"	"	Irish	24	s	"	"	8	8	12			
511	"	"	"	Am.	27	m	2	"	12	12	11	1		Rest
512	"	"	"	"	27	"	2	"	12	12	11	1		Lack of work
513	"	"	"	"	36	s	"	"	13	12	12			
514	"	"	"	Am.	32	m	2	1	15	15	12			
515	"	"	"	"	23	s	"	"	5	5	12			
516	"	"	"	"	22	"	"	"	12	12	12			
517	Port Huron	"	"	"	87	"	"	"	12	12	11			
518	"	"	"	Ger.	29	m	2	"	14	14	12			
519	"	"	"	Can.	26	s	"	"	11	11	11	1		Lack of work
520	Sand Beach	"	"	Am.	19	"	"	"	11	11	11	1		Accident
520	"	"	"	"	26	m	2	1	12	12	8	4		Sickness

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
8	mo.	\$115 00		mo.	\$1,380		\$1,380	12	neither	neither	\$500	worse	worse
8	"	110 00		"	1,320		1,320	12	"	"	800	"	"
12	"	90 00		"	1,080		1,080	12	"	"	800	"	"
8	"	100 00		"	1,200		1,200	12	"	"	no	"	"
8	"	100 00		"	1,200		1,200	12	"	"	500	"	"
14	"	100 00		"	1,200		1,200	12	"	"	yes*	"	"
12	mi.	3½c		"	1,017		1,017		"	inc. 10% neither	200	"	"
11	"	3½c		"	1,095		1,095	12	"	"	100	"	"
11	"	3½c		"	1,095		1,095		"	"	yes*	"	"
14	mo.	100 00		"	1,300		1,200		"	"		"	"
10	"	100 00		"	1,200		1,200	12	"	inc. 10% neither	600	"	"
12	mi.	3½c		"	1,095		1,095		"	"	200	"	"
8	mo.	100 00		"	1,200		1,200		"	"	500	"	"
10	da.	1 50	yes*	"	470		470	10	"	"	yes*	same	same
16	"	2 00		"	626		626	10	"	"		worse	same
10	mi.	.0178	16½c h.	"	780		780	12	"	"		same	same
10	"	.0192	16½c h.	"	780		780	12	"	"	yes*	"	"
10	"	.0178	16½c h.	"	780		780	12	"	"	no	worse	worse
10	da.	\$2 00		"	626		626		inc. 25c da	neither	100	better	better
10	"	1 50		"	470		470		neither	neither	yes*	worse	worse
14	mi.	.0178		"	780		780	14	inc. 15% increase	inc. 15% increase	420	better	better
16	mo.	65 00		"	780		780	13	neither	neither	no	same	same
12	da.	2 00		"	626		626		"	inc. \$20 mo	100	better	same
12	mo.	80 00	yes*	"	960		960	12	"	inc. \$10 mo	100	same	same
12	"	60 00		"	720		720	12	"	65c da	100	"	same
10	da.	68 00		"	816		816	12	"	decrease	100	"	"
7	"	2 50		"	782		782		"	neither	100	worse	better
10	"	2 00		"	626		626	10	"	increase	100	same	"
10	mi.	.019		"	800		800		"	inc. 23c da	100	same	worse
10	da.	2 00		"	626		626		"	neither	100	same	same
16	"	2 00		"	626		626		"	inc. \$9 mo	no	better	better
6	mo.	57 00	18c h.	"	650		650	14	"	neither	100	worse	worse
14	"	65 00		"	780	\$75	855	14	"	inc. 25% 10%	100	same	better
14	da.	2 50		"	780		780	12	"	" 10%	200	same	"
11	mi.	.019	yes*	"	750		750	12	"	neither	no	same	worse
12	"	.019	16½c h.	"	626		626	12	"	" 10%	no	same	same
12	da.	.019	16c h.	"	660		660	12	"	neither	100	better	same
12	"	1 75		"	525		525	12½	"	"	100	same	same
12	"	1 75		"	512		512	12	"	neither	no	worse	worse
12	"	1 75		"	364		364	12	"	inc. 25c da	yes*	"	"
10	"	1 75		"	525		525	10	"	" 25c "	150	"	"
10	"	1 75		"	550		550	12	"	" 25c "	no	"	"
12	"	1 75		"	526		526	12	"	" 25c "	100	same	better
12	"	1 75		"	545		545	12	"	neither	no	worse	worse
13	"	1 75		"	552	10	562	15	inc. 20c da	inc. 20c da	250	same	same
14	mo.	50 00	yes*	"	600		600		neither	neither	140	worse	same
10	da.	1 75		"	500	230	730	10	"	inc. 50c da	300	same	"
10	"	1 75		"	547	50	597	10	"	" 75c da	125	"	"
14	"	2 00		"	626		626	12	"	inc. 50c	40	better	worse
14	"	1 50		"	812	100	912	10	"	inc. 20c da	300	worse	"
18	"	2 00	yes*	"	468		468	12	inc. 50c	inc. 50c	40	better	worse
8	"	1 62		"	400		400		neither	"	no	same	better
12	mi.	1 80		"	595	15	610		"	" 10%	150	same	better
12	da.	2c	yes*	"	600		600	13	inc 10% neither	" 25%	100	better	"
12	mi.	2 00	18c h	"	572		572	12	"	" 15%	no	better	same
15	mi.	2 00		"	586	40	626	12	"	" 10%	200	worse	better
12	da.	2c		"	700		700	12	"	" \$5 mo	no	same	same
12	mi.	1 80		"	595		595		"	" 20c da	no	worse	worse
14	"	1 75	yes*	"	500		500	12	"	inc. 20c da	100	better	better
12	"	1 65	yes*	"	467	52	519	12	"	neither	no	"	"
12	"	1 65		"	467	55	522	12	"	"	"	"	"
12	"	1 65		"	843	30	873	12	"	inc. 15c da	"	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
521	Port Huron	Brakeman	F. & P. M.	Am.	26	s			12	12	12		5		Laying off
522	Saginaw	"	"	Irish	24	s			8	8	12				
523	"	"	"	"	24	s			8	8	12				
524	"	"	"	Am.	29	m	2	1	12	12	12				
525	"	"	"	Irish	20	s			8	8	12				
526	"	"	"	"	28	s			8	8	12				
527	"	"	"	Am.	30	m	2	3	8	8	12				
528	"	"	"	"	23	s		1	8	8	12				
529	"	"	"	"	24	s	2	2	12	12	11	1			Sickness
530	"	"	"	"	19	s			8	8	12				
531	"	"	"	"	25	s			11	11	12				
532	"	"	"	"	30	m	2	1	11	11	12				
533	"	"	"	Ger.	25	s	2	2	11	11	12				
534	"	"	"	Am.	29	s	2	2	11	11	12				
535	"	"	"	"	38	s	2	2	11	11	12				
536	"	"	"	Irish	18	s			8	8	12				
537	"	"	"	Am.	21	s			8	8	12				
538	"	"	"	"	22	s			8	8	12				
539	"	"	"	"	23	s			8	8	12				
540	"	"	"	"	26	m	2	1	8	8	11	1			Laid off
541	"	"	"	"	24	s			8	8	12				
542	"	"	"	"	40	m	2	2	11	11	12				
543	"	"	"	"	33	s	2	2	11	11	12				
544	"	"	"	Can.	24	s	2		14	14	12				
545	"	"	"	Am.	25	s			12	12	12				
546	"	"	"	"	28	m	2	1	11	11	12				
547	"	"	"	"	30	s	2	2	11	11	12				
548	"	"	"	"	35	s	2	3	10	11	12				
549	"	"	"	"	23	s			8	8	12				
550	"	"	"	"	38	m	2	1	7	7	12				
551	"	"	"	"	22	s			8	8	12				
552	Port Huron	Baggage man	"	Can.	23	m	2		12	12	12		7		Sickness
553	Saginaw	"	"	Am.	23	s	2	1	12	12	12				
554	"	"	"	"	29	s	2	1	14	14	12				
555	"	"	"	French	41	s		4	8	8	12				
556	"	"	"	"	41	s			8	8	12				
557	Port Huron	"	"	Am.	26	s	2	2	10	10	12		4		Lay off
558	"	"	"	Can.	50	s	2	4	12	12	12				
559	"	"	"	Am.	21	s			7	7	12		8		Laying off
560	"	"	"	"	30	m	2	1	10	10	12				
561	Saginaw	"	"	"	17	s	2	1	8	8	12				
562	"	"	"	Irish	33	s			11	11	12				
563	"	"	"	Am.	23	s	2	1	12	12	12				
564	"	"	"	"		s			8	8	12				
565	"	"	"	Eng.	42	m	2	9	12	12	12				
566	"	"	"	Am.	37	s	2				12				
567	Frankenmuth	Agent	"	"	21	s			13	13	12				
568	Nirvana	"	"	"	27	s			12	12	12				
569	Amadore	"	"	Can.	67	m	2	3	10	10	12				
570	Evart	"	"	Am.	29	s	2	2	13	13	12				
571	Plymouth	"	"	"	34	s			14	14	12				
572	Jeddo	"	"	"	16	s			12	10	12				
573	Smith's Crook	"	"	"	42	s			12	12	12				
574	Grand Blanc	"	"	Can.	20	s			12	12	12		8		Other busin'ess
575	Rogersville	"	"	Am.	57	m	2	3			12				
576	Yale	"	"	"	33	s	2		12	12	12		15		Vacation
577	Mayville	"	"	Can.	32	s	2	8	14	14	12		14		Sickness
578	Uby	"	"	Am.	52	s	2	1	13	13	9	3			"
579	Ludington	"	"	Can.	37	s	2	3	12	12	12				
580	Saginaw	"	"	Eng.	38	s	2	3	10	10	12				
581	"	"	"	"	29	s	2		12	12	12				
582	Port Huron	"	"	Am.	37	s		2	12	12	12				
583	Saginaw	"	"	"	28	s	2	1	14	14	12				
584	Manistee	"	"	"	36	s	2	1	12	11	12				
585	Bay City	"	"	"	37	s	2	3	12	12	12				
586	Port Huron	Train disp.	"	"	33	s			9	9	12				
587	Saginaw	"	"	Can.	28	s			8	8	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past three years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per.		Am't per		Regular time.	Overtime.	Total.						
12	day	\$1 65	yes*	mo.	\$508	\$25	\$533	12	neither	neither	no	same	better
8	mo.	40 00			480		480						
8		40 00			480		480			neither		worse	worse
12		45 00			540		540						
8		40 00			480		480						
8		45 00			540		540			neither			
8		40 00			480		480					same	same
8		40 00			480		480		neither			worse	worse
12		45 00			495		495						
8		40 00			480		480						
11		45 00			540		540		neither	neither	\$100		
11		60 00			720		720				no		
11		45 00			540		540				50		
11		45 00			540		540				no		
8		40 00			480		480						
8		40 00			480		480				100		
8		40 00			480		480				no		
8		40 00			440		440		neither	neither	no		worse
8		40 00			480		480						
11		45 00			540		540						
11		40 00			480		480						
14		60 00	yes*		720		720	13					
12		45 00			540		540				100		
11		60 00			720		720				no		
11		60 00			720		720				100		
10 1/2		60 00			720		720				100		
8		40 00			480		480				100		
8		50 00			600		600		neither	inc. \$3 mo	no	same	same
8	day	1 90	yes*		595		595	12		neither	no	same	worse
12		1 65			515	51	568	12			50	worse	worse
12	mo.	35 00			680		680				no		
14	day	2 00			636		628				yes*		
8		2 25			704		704		inc. 25c day	inc. 10%		better	better
10		2 10	yes*		648		648	12	neither	inc. \$10 mo.	no	worse	worse
12	mo.	50 00			600		600			inc. 20c day	150	same	same
7	day	3 25			697		697			" 10c day	no	better	better
8		2 10	yes*		657		657	12		" \$10 mo.	no	worse	worse
11		2 00			628		628			" 10c day	yes*	same	same
12		2 00			628		628			" 10c "	no		
8	mo.	50 00			600		600			neither			
8		50 00			600		600	10		inc. 10c day		better	worse
12		50 00			672		672					worse	same
10		100 00			1,200		1,200		neither	neither	50	same	same
13		35 00			420		420				200	better	better
12		35 00			420		420			decrease	yes*	same	same
10		35 00			420		420			increase	yes*	worse	same
13		60 00			720		720		neither	dec. \$25 mo.	no	same	worse
14		50 00			600		600			neither	yes*	same	same
10		50 00			600		600				75	same	same
12		5 00			60		60					better	better
12		40 00			480		480			neither		same	
12		10 00			120		120						
12		50 00			600		600					worse	worse
13		50 00			600		600			inc. \$5 mo.	150	same	same
14		42 50			383		383			" 5 "	100		
12		50 00			600		600			neither	200		
10		58 83			1,000		1,000				no		same
12		80 00			960		960			inc. 20%			worse
12		80 00			800		800			de. \$10 mo.		worse	same
14		60 00			720		720			neither			worse
11		70 00			840		840				50	same	same
12		75 00			900		900				65		worse
9		70 00			840		840			inc. \$20 mo.	no	worse	worse
8		90 00			1,080		1,080			neither	300	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
605	Evart	Operator	F. & P. M.	Am.	20	s			12	12	3 1/2	8 1/2		Lack of work.
606	Ludington	"	"	"	24	m			15	15	12			
607	Saginaw	"	"	"	86	m			9 1/2	9 1/2	12			
608	Port Huron	"	"	"	22	s			10	10	12			
609	Manistee	"	"	Irish	22	"			16	16	12			
610	"	"	"	Am.	23	"			16	10	12			
611	"	"	"	"	35	"			12	12	12			
612	"	"	"	"	24	"			16	14	12			
613	Bay City	"	"	"	23	m			10	10	12			
614	Saginaw	Accountant.	"	"	59	"			8	8	12			
615	Ludington	Clerk	"	Scotch	47	"			8	8	12			
616	Saginaw	"	"	Am.	32	s			10	10	12			
617	Evart	Cashier	"	"	53	m			13	13	11	30		Sickness.
618	Manistee	"	"	"	24	s			12	12	12			
619	"	"	"	Can.	33	m			2	10	10	12		
620	Bay City	"	"	Am.	26	"			1	10	10	12		
621	Port Huron	"	"	"	21	s			10	10	12			
622	Detroit	Clerk	"	"	20	"			10	10	12			
623	"	"	"	Can.	19	"			10	10	7	5		Lack of work.
624	"	"	"	Am.	23	"			10	10	12			
625	Ludington	"	"	"	19	"			10	10	12			
626	"	"	"	"	86	m			10	10	12			
627	"	"	"	Irish	25	"			10	10	12			
628	"	"	"	Can.	35	s			4	10	10	12		
629	Saginaw	"	"	Am.	23	"			10	10	12			
630	"	"	"	Can.	30	s			10	10	12			
631	"	"	"	Am.	30	s			10	10	12			
632	"	"	"	"	45	m		1	8	8	12			
633	"	"	"	Can.	48	"			8	8	12			
634	"	"	"	Am.	26	"			8	8	11 1/2	15		Vacation.
635	"	"	"	"	18	"			8	8	12			
636	"	"	"	"	26	s			8	8	11	1		Sickness.
637	"	"	"	Eng.	23	"		1	8	8	12			
638	"	"	"	Am.	19	"			8	8	12			
639	"	"	"	"	30	m		2	10	10	12			
640	"	"	"	"	26	"			10	10	12			
641	"	"	"	"	19	"			12	12	12			
642	"	"	"	Can.	39	m		2	12	12	12			
643	"	"	"	Am.	30	s			11	11	12			
644	"	"	"	"	24	"			10	10	12			
645	"	"	"	"	64	m		1	10	10	12			
646	Port Huron	"	"	"	18	"			10	10	12			
647	"	"	"	"	41	s		2	10	10	12			
648	Saginaw	"	"	Scotch	33	"		1	8	8	12			
649	"	"	"	Am.	30	"		2	10	10	12			
650	"	"	"	"	32	s			10		3			
651	"	"	"	Can.	22	"			10		4			
652	Ludington	"	"	Am.	23	m		1	10	10	12			
653	Saginaw	"	"	"	18	"			10	10	12			
654	"	Checker	"	Can.	40	m		2	10	10	12			
655	"	Clerk	"	Eng.	44	"			10	10	12			
656	Bay City	"	"	Am.	40	"		4	12	12	12			
657	"	"	"	"	18	s			12	12	12			
658	"	"	"	Ger.	28	"			14	14	12			
659	Ludington	Billing cl'k	"	French	25	"			10	10	8	4		Sickness.
660	"	"	"	Am.	33	s		1	8	8	12			
661	Saginaw	"	"	"	22	m			10	10	11	1		Sickness.
662	Plymouth	"	"	"	26	"			15		12			
663	Port Huron	"	"	Ger.	41	m					12			
664	"	Store clerk.	"	Am.	22	s			10	10	12			
665	Saginaw	"	"	"	24	"			10	10	12			
666	"	"	"	"	30	s			10	10	12			
667	Bay City	Checker	"	"	18	"			10	10	12			
668	Ludington	"	"	Ger.	38	m		5	10	10	12			
669	"	"	"	Am.	52	"			10	10	12			
670	Saginaw	"	"	"	49	"		1	10	10	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
12	mo.	\$35 00		mo.	\$123		\$123		neither		\$50		
15	"	42 00		"	540		540		"	neither	no	worse	worse
9 $\frac{1}{2}$	"	50 80		"	600		600		"			same	same
16	"	45 00		"	520		520			inc. \$60	90	better	
10	"	40 00		"	480		480		inc. \$60	240	no	worse	worse
12	"	40 00		"	480		480		neither	80	"	same	better
12	"	50 00		"	600		600				"	"	
15	"	40 00		"	480		480			inc. \$240			same
10	"	50 80		"	600		600		"	\$10 mo.	yes*		
8	"	100 00		"	1,200		1,200		"	neither	200	same	same
8	"	75 00		"	900		900		"		300	same	better
10	"	75 00		"	900		900		"	inc. \$15 mo.	no	worse	same
12	"	45 00		"	505		505		"	dec. 10%	yes*	same	worse
12	"	60 00		"	720		720		"	neither	"	"	same
10	"	70 00		"	840		840		"	inc. \$10 mo.	"	"	better
10	"	50 00		"	600		600		"	neither			
10	"	60 00		"	720		720		"	inc. \$10 mo.	150	worse	worse
10	"	45 00		"	540		540		"		no	better	better
10	"	50 00		"	550		550		"		"	"	"
10	"	50 00		"	600		600	10	inc. \$15 mo.	inc. \$15 mo.	100	"	"
10	"	40 00		"	480		480		neither	neither	100	same	"
10	"	55 00		"	660		660	10		inc. \$10 mo.	100	"	"
10	"	50 00		"	600		600	10	"		no	worse	worse
10	"	50 00		"	600		600		"	neither	92	same	same
10	"	53 00		"	660		660		"			worse	"
10	"	53 00		"	660		660		"	neither		same	"
8	"	66 00		"	780		780		"				
8	"	100 00		"	1,200		1,200		"		no	same	same
8	"	100 00		"	1,200		1,200		"	dec. \$25 mo.	400	worse	
8	"	35 00		"	420		420				80		
8	"	50 00		"	550		550		neither	dec. \$15 mo.	no	worse	worse
8	"	60 00		"	720		720		neither		"	same	same
8	"	60 00		"	720		720		inc. \$10 mo.	decrease	"	better	worse
10	"	40 00		"	480		480		neither		"	same	
12	"	55 00		"	660		660						
12	"	45 00		"	540		540		neither				
12	"	70 00		"	840		840		"	increase	200	better	better
11	"	60 00		"	600		600		"	neither	no	same	
10	"	60 00		"	660		660		"	inc. \$20 mo.	yes*	"	better
10	day	2 80		"	780		780		"	neither	no	"	
10	mo.	15 00		"	180		180		"		"	same	same
10	"	45 00		"	540		540		"	neither	"	"	
8	"	75 00		"	900		900		"	inc. \$10 mo.	20	"	worse
10	"	70 00		"	840		840		"		200	"	better
10	"	12 00		"	36		36		"		no	"	
10	"	12 00		"	48		48		"				
10	"	70 00		"	840		840		inc. \$20 mo.	inc. \$10 mo.	200	same	better
10	"	40 00		"	480		480	15	"	neither	no	same	better
10	"	40 00		"	480		480		neither	neither	"	"	worse
10	"	50 00		"	600		600		inc. \$10 mo.		"	"	
12	"	60 00		"	720		720		"		yes*	worse	worse
12	"	40 00		"	480		480		"		no		
14	"	60 00		"	720		720		increase	inc. \$5 mo.	300	same	same
10	"	45 00		"	360		360		dec. \$5 mo.	dec. \$5 mo.	no	worse	worse
8	"	60 00		"	720		720	8	neither	neither	100	same	same
10	"	50 00		"	550		550				no	better	
10	"	45 00		"	540		540		increase	increase		worse	
10	"	50 00		"	600		600		neither	inc. \$5 mo.	yes*	"	
10	"	40 00		"	480		480		"	5	65	"	worse
10	"	60 00		"	720		720		"	increase	600	"	"
10	"	105 00		"	1,260		1,260		"	neither	no	same	same
10	"	35 00		"	420		420		"		no	"	
10	"	45 00	yes*	"	540		540	10	"	neither		worse	worse
10	"	60 00		"	720		720		"		170	same	same
10	"	45 00		"	540		540		"		no	"	worse

* Does not say what.

TABLE No. 1.--

Line number.	Residence.	Occupation.	Railroad where engaged.	Natvity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.	Days.
671	Saginaw	Checker	F. & P. M.	Can.	31	m	2	1	10	10 11 1/4	14	14	Accident
672	"	"	"	Ger.	35	"	2	0	10	10 12	10	10	"
673	"	"	"	Am.	35	"	2	2	11	11 12	11	11	"
674	"	"	"	Irish	44	"	2	5	"	12	12	12	"
675	"	"	"	Am.	18	s	"	"	10	10 12	10	10	"
676	Port Huron	"	"	Am.	30	m	2	2	10	10 11 1/4	13	13	Sickness
677	Bay City	"	"	Ger.	42	"	2	5	10	10 12	10	10	"
678	"	"	"	Am.	44	"	2	2	10	10 11 1/4	14	14	Sickness
679	"	St. bag'man	"	"	41	"	2	2	11	11 12	11	11	"
680	"	Baggageman	"	"	51	"	1	1	12	12 12	12	12	"
681	"	"	"	"	33	"	1	1	12	12 12	12	12	"
682	Saginaw	St. bag'man	"	"	40	"	"	"	14	14 12	14	14	"
683	Port Huron	Baggageman	"	Can.	29	"	2	3	11	11 12	11	11	"
684	Ludington	"	"	Scotch	50	s	"	"	10	10 12	10	10	"
685	"	"	"	Am.	29	"	"	"	10	10 6	6	6	Lack of work
686	Saginaw	"	"	"	30	m	2	2	11	11 12	11	11	"
687	"	"	"	"	29	"	2	1	11	11 12	11	11	"
688	Yale	"	"	Eng.	31	"	2	2	13	13 11 1/4	13	13	Sickness
689	Port Huron	Coach b'ld'r	"	Can.	35	"	2	3	9	10 11	1	1	Short hours
690	Bay City	Carpenter	"	"	37	"	3	1	10	10 12	13	13	Recreation
691	Saginaw	"	"	Dane	47	s	2	"	10	10 11 1/4	13	13	"
692	"	"	"	Can.	30	"	"	"	10	10 13	2	2	Lack of work
693	"	"	"	Am.	36	m	2	3	10	10 10	2	2	Sickness
694	"	"	"	"	43	"	2	1	10	10 10	2	2	"
695	"	"	"	"	55	"	2	2	10	10 12	1	1	"
696	"	"	"	"	34	"	2	2	11	11 12	1	1	"
697	"	Woodw'ker	"	Am.	50	"	2	2	9	5 12	10	10	Lay off
698	Port Huron	Coach b'ld'r	"	Eng.	35	"	2	2	10	10 12	15	15	Sickness
699	"	Painter	"	Ger.	37	"	2	3	9	10 11 1/4	1	1	Recreation
700	Saginaw	"	"	Irish	52	"	2	1	10	10 11	1	1	Sickness
701	"	"	"	Eng.	35	s	"	"	10	10 11	1	1	"
702	"	"	"	Am.	53	m	2	5	10	10 12	10	10	"
703	"	"	"	French	27	"	2	4	10	10 10	2	2	Short hours
704	"	"	"	Scotch	39	"	2	1	10	5 11 1/4	20	20	"
705	Port Huron	"	"	Ger.	39	s	4	9	10	10 12	2	2	Sickness
706	Saginaw	"	"	Am.	46	m	2	2	10	10 11 1/4	20	20	"
707	"	Car repairer	"	Boh.	28	"	2	"	10	10 10	2	2	Lack of work
708	"	"	"	Am.	51	"	2	1	10	10 12	9	9	"
709	Ludington	"	"	Pole	37	"	2	5	10	10 12	1	1	"
710	"	"	"	Ger.	52	"	2	5	10	10 3	1	1	Lack of work
711	"	"	"	Am.	41	"	2	5	13	13 12	1	1	"
712	"	"	"	Can.	44	"	2	3	10	10 12	1	1	"
713	"	"	"	French	35	"	2	3	10	10 12	1	1	"
714	"	"	"	"	37	"	2	5	10	10 12	1	1	"
740	Saginaw	Blacksmith	"	Ger.	42	"	2	3	10	10 12	1	1	"
741	"	"	"	Irish	45	"	2	3	10	10 12	1	1	"
742	"	"	"	Eng.	30	"	2	2	10	10 12	1	1	"
743	"	"	"	Ger.	40	"	2	4	10	10 12	1	1	"
744	"	"	"	Am.	38	"	2	5	10	10 12	1	1	"
745	"	"	"	"	25	s	"	"	10	10 12	1	1	"
746	"	"	"	"	35	m	2	4	10	10 12	1	1	"
747	"	"	"	Eng.	53	"	2	2	10	10 12	1	1	"
748	Port Huron	"	"	Can.	39	"	2	3	10	10 12	3	3	Sickness
749	Saginaw	"	"	Eng.	55	"	2	3	10	10 12	1	1	"
750	"	"	"	Am.	25	s	"	"	10	10 12	1	1	"
756	"	Bl'kam. help.	"	Ger.	30	"	"	"	10	10 12	1	1	"
757	"	"	"	Am.	40	m	2	2	10	10 12	1	1	"
758	"	"	"	"	40	"	3	3	10	10 12	1	1	"
759	"	"	"	"	38	"	2	1	10	10 12	1	1	"
760	"	"	"	Ger.	45	"	2	4	10	10 12	1	1	"
761	Port Huron	"	"	"	38	"	2	1	10	10 11	1	1	Sick. & death
762	Saginaw	"	"	"	45	"	2	3	10	10 12	13	13	Resting
763	"	Machinist	"	Eng.	51	"	5	"	10	10 11 1/4	7	7	Sickness
764	"	"	"	Am.	28	"	2	1	10	10 12	1	1	"
765	"	"	"	"	17	s	"	"	10	10 12	1	1	"
766	"	"	"	Ger.	40	m	2	1	10	10 11	1	1	Resting

* Repair yard foreman.

Railway Employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
10	day	\$1 75		mo.	\$548		\$548	10	neither			same	
10	"	1 50		"	469		469		"	neither	no	worse	worse
11	mo.	40 00		"	480		480		"	"	"	"	"
12	"	60 00		"	720		720		"	"	"	same	"
10	"	25 30		"	300		300		"	"	no	"	"
10	day	1 37½	yes*	"	412	\$18	430	10	"	neither	yes*	worse	worse
10	"	1 60		"	500		500		"	"	no	"	"
10	"	1 60		"	478		478		"	"	yes*	"	"
11	mo.	42 00		"	504		504		"	"	"	"	"
12	"	60 00		"	720		720		"	"	no	"	"
12	"	45 00		"	540		540		"	"	"	same	same
14	"	40 00		"	480		480		"	"	"	worse	worse
11	"	45 00		"	540		540		"	inc. \$10 mo.	"	same	same
10	"	50 00		"	600		600		"	neither	yes*	"	"
10	day	1 50		"	234		234		"	"	no	worse	worse
11	mo.	45 00		"	540		540		"	neither	"	"	"
11	"	45 00		"	540		540		"	"	"	"	"
13	"	40 00		"	480		480		"	"	"	"	"
9½	day	2 00		"	572		572	10	"	"	"	"	"
10	"	1 65		"	516		516	10	"	"	\$50	same	same
10	"	2 25	yes*	"	675		675	10	"	"	no	worse	worse
10	mo.	52 00	"	"	624		624	10	"	"	100	same	"
10	"	52 00	"	"	520		520	10	"	"	no	"	worse
10	"	52 00	"	"	520		526	10	"	"	"	same	same
10	"	60 00		"	720		720		"	"	"	worse	worse
11	day	2 00		"	626		626	10	"	"	"	same	same
10	"	1 75		"	547		547		"	"	"	worse	worse
10	"	2 00	1½time	"	606		606	10	"	"	"	"	"
9½	"	2 25		"	673		673	10	"	"	"	"	"
10	"	2 10	yes*	"	601		601		"	"	yes*	"	"
10	"	1 25		"	358		358		"	"	"	"	"
10	mo.	100 00		"	1,164		1,164		"	"	yes*	same	
10	day	2 10		"	546		546		"	"	no	"	
7½	mo.	65 00		"	730		730		"	"	"	worse	worse
9½	day	1 25		"	389		389	10	"	neither	"	"	"
10	mo.	75 00		"	841		841		"	"	"	"	"
10	day	1 25		"	325		325		"	"	"	same	same
10	"	1 60		"	500		500		"	"	120	worse	worse
10	"	1 25	hr. 17½c	"	548		548	10	"	inc. 25c day	200	same	same
10	"	1 50	" 15c	"	117		117	10	"	neither	100	"	"
13	"	1 60		"	501		501		inc. 35c day	inc. 35c day	100	better	better
10	"	1 50	hr. 15c	"	470		470	10	neither	inc. 25c day	no	worse	worse
10	"	1 75	" 17½c	"	548	45	593	10	"	neither	200	same	same
10	"	1 50		"	470		470		"	"	no	worse	worse
10	"	2 50		"	782		782		"	"	150	"	"
10	"	2 75		"	861		861		"	"	100	"	"
10	"	3 00		"	939		939		"	"	200	"	"
10	"	3 00		"	939		939		"	"	150	"	"
10	"	3 00		"	939		939		"	"	100	"	"
10	"	3 00		"	939		939		"	"	400	"	"
10	"	2 75		"	860		860		"	"	100	"	"
10	"	2 60		"	814		814		"	"	"	"	"
10	"	2 50		"	725		725		"	inc. 25c day	100	"	"
10	mo.	100 00		"	1,200		1,200		"	neither	300	"	"
10	day	3 00		"	939		939		"	"	200	"	"
10	"	1 75		"	548		548		"	"	100	"	"
10	"	1 75		"	548		548		"	"	75	"	"
10	"	1 75		"	548		548		"	"	50	"	"
10	"	1 75		"	548		548		"	"	100	"	"
10	"	1 75		"	548		548		"	"	50	"	"
10	"	1 60		"	458		458	10	"	inc. 10c day	no	same	better
10	"	1 75		"	548		548		"	neither	100	worse	worse
10	"	2 25	1½time	"	625		625	10	"	"	no	"	"
10	"	2 50		"	765		765	10	"	dec. 20c day	"	"	worse
10	"	1 00		"	313		313		"	inc. 25c "	no	"	"
10	"	2 60	1½time	"	744		744	10	"	dec. 15c "	200	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
767	Saginaw	Machinist...	F. & P. M.	Ger...	41	m	12	4	10	10	12			
768	"	"	"	Am...	31	"	12	2	10	10	12			
769	"	"	"	Ger...	22	s			10	10	12			
770	"	"	"	Irish	29	"			10	10	12			
771	"	"	"	"	47	m	2	2	10	10	10	2		Sickness
772	"	"	"	Am...	32	"	2	2	10	10	12			
773	"	"	"	"	28	"	2	2	8	7½	12			
774	"	"	"	Ger...	32	"	2	2	10	10	12			
775	"	"	"	"	50	"	2	2	10	10	12			
776	"	"	"	Am...	62	s			10	10	12			
777	"	"	"	"	25	m	2	1	10	10	12			
778	"	"	"	Irish	51	w	1	4	10	10	12			
779	"	"	"	Am...	23	m	2	1	10	10	12			
780	Port Huron	"	"	"	19	s			10	10	11	1		Accident
781	"	"	"	"	53	m	4	2	10	10	11	1		Sickness
782	Saginaw	"	"	Can...	44	"	2	2	10	10	12			
783	Port Huron	"	"	Am...	35	"	2	2	10	10	11½	14		Accident
784	Saginaw	"	"	"	26	s			10	10	12			
785	"	"	"	Eng...	32	"			10	10	12			
786	"	"	"	Ger...	25	"			10	10	12			
787	"	"	"	Am...	30	"			10	10	12			
788	"	"	"	Eng...	41	m	2	5	10	10	12			
789	"	"	"	Am...	35	s			10	10	12			
790	"	"	"	"	50	m	2		10	10	12			
791	"	"	"	Irish	47	"	2	4	10	10	10½	2		Sickness
792	"	"	"	"	64	"	2	1	10	10	10½	1	13	"
793	"	"	"	"	53	"	2	3	10	10	12			
794	Port Huron	†	"	Am...	16	s			10	10	7	5	3	Laying off
795	Saginaw	"	"	"	33	m	2	3	10	10	12			
796	"	"	"	Scotch	13	s			10	10	1			Just began w'k
797	"	"	"	Boh...	29	m	2		10	10	12			
798	"	Boilermaker	"	French	40	"	2	2	10	10	12			
799	"	"	"	Ger...	50	"	2	3	10	10	12			
800	"	"	"	"	49	"	2	6	10	10	12			
801	Port Huron	"	"	Am...	36	"	2	4	5	5	10	2		Sickness
802	Saginaw	St. engineer	"	Scotch	41	"	7		10	10	12	1		
803	Ludington	"	"	Am...	46	"	2	3	10	10	12			
804	Port Huron	"	"	"	47	"	4		10	10	12			
805	"	§ Foreman	"	"	31	"	2	1	10	10	12			
806	Saginaw	"	"	"	23	s			10	10	8	4		Lack of work
807	"	Shopman...	"	"	56	m	2	5	10	10	11	1		Sickness
808	"	"	"	"	43	"	2	4	10	10	12			
809	"	"	"	Ger...	31	"	2	4	10	10	12			
810	"	"	"	Eng...	41	"	2	1	10	10	12			
811	"	"	"	Ger...	33	"	2		8	8	11	1		Sickness
812	"	"	"	"	42	"	2	6	10	10	11	1		Lack of work
813	"	"	"	Am...	32	"	2	1	10	10	11	1		
814	"	"	"	Ger...	48	"	2	2	8	8	9	3		Sickness
815	"	"	"	"	42	"	2	3	8	8	11	1		
816	"	Brasmolder	"	Eng...	50	"	5	5	10	10	12			
817	"	Coppersmit	"	Scotch	44	"	3	3	10	10	12			
818	Ludington	Carinsp'tor	"	Am...	29	s			10	10	12			
819	Saginaw	"	"	"	44	m	2	1	10	10	12			
820	"	"	"	Irish	57	w	6		10	10	12	4		
821	Port Huron	"	"	Eng...	39	m	2	6	10	10	12	4		Sickness
842	Saginaw	Interlocker	"	Am...	25	"	2	1	12	12	12			
843	Manistee	"	"	"	80	s			12	12	12			
844	Saginaw	"	"	Pole	43	m	2	8	11	11	12			
845	"	"	"	Am...	53	"	2	4	12	12	7	5		Lack of work
846	"	"	"	"	38	"	2	1	12	12	12			
846a	Ludington	Yardmaster	"	Can...	30	"	2	2	10	10	12			
846b	Port Huron	"	"	Am...	29	"	2	2	10	10	12			
846c	Bay City	"	"	"	29	"	2	2	12	12	12			
846d	Port Huron	Y'd foreman	"	Swede.	35	"	2	3	10	10	12			
846j	W. Bay City	Switchman	"	Am...	45	"	2		10	10	10	2		
846k	Saginaw	"	"	Irish		"	2	1	10	10	10	2		Sickness

* Foreman. † Apprentice. ‡ Helper. § Car shop.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$2 50	-----	mo.	\$782	-----	\$782	10	neither	dec. 25c day	\$300	same	same
10	"	2 25	-----	"	708	-----	708	-----	increase	-----	-----	worse	worse
10	"	1 25	1¼ t	"	891	-----	891	10	neither	decrease	yes*	"	"
10	"	2 40	1¼ t	"	751	-----	751	10	"	dec. 25c	no	"	"
10	"	2 30	1¼ t	"	650	-----	650	10	"	neither	yes*	"	"
10	"	2 50	-----	"	788	-----	788	-----	-----	-----	-----	"	"
7½	"	1 60	-----	"	500	-----	500	-----	dec. 40c day	dec. 75c day	200	"	"
10	"	2 60	-----	"	814	-----	814	-----	neither	neither	no	"	"
10	"	2 50	-----	"	783	-----	783	-----	"	"	-----	"	"
10	"	2 50	-----	"	788	-----	788	-----	"	"	-----	"	"
10	"	1 50	-----	"	469	-----	469	-----	inc. 25c day	-----	-----	"	"
10	"	2 25	-----	mo.	704	-----	704	-----	neither	neither	-----	"	"
10	"	2 50	-----	"	788	-----	788	-----	"	-----	no	"	"
10	"	1 75	-----	"	500	-----	500	10	inc. 25c day	inc. 25c day	-----	better	better
10	"	2 35	-----	"	736	-----	736	10	neither	neither	-----	worse	worse
10	"	2 00	-----	"	628	-----	628	-----	"	-----	-----	same	same
10	"	2 00	-----	"	598	-----	598	10	-----	inc. 10c day	100	worse	worse
10	"	2 25	-----	"	704	-----	704	-----	neither	neither	no	"	"
10	"	2 50	-----	"	783	-----	783	-----	"	-----	-----	"	"
10	"	2 50	-----	"	783	-----	783	-----	"	neither	-----	"	"
10	"	2 50	-----	"	788	-----	788	-----	"	-----	-----	"	"
10	"	2 50	-----	"	788	-----	788	-----	"	-----	-----	worse	worse
10	"	1 75	-----	"	548	-----	548	-----	-----	-----	-----	-----	-----
10	mo.	100 00	-----	"	1,200	-----	1,200	-----	neither	neither	500	worse	worse
10	day	2 50	1¼ t	"	650	-----	650	10	"	"	no	same	same
10	"	1 70	1¼ t	"	464	-----	464	10	"	"	"	worse	worse
10	"	2 00	-----	"	628	-----	628	-----	"	"	"	same	same
10	"	1 00	-----	"	179	-----	179	10	"	-----	no	worse	worse
10	"	1 75	-----	"	546	-----	546	-----	"	neither	-----	"	"
10	"	90	1¼ t	"	24	-----	24	10	"	-----	no	better	better
10	"	1 40	yes*	"	489	-----	489	10	"	neither	no	worse	worse
10	mo.	100 00	-----	"	1,200	-----	1,200	-----	"	inc. \$10 mo.	yes*	same	same
10	day	2 00	yes*	"	628	-----	628	10	"	neither	no	worse	"
10	"	1 50	-----	"	470	-----	470	10	"	"	"	same	"
10	"	2 50	-----	"	650	-----	650	10	"	"	"	worse	"
5	"	1 50	-----	"	468	-----	468	10	"	"	"	same	"
10	mo.	60 00	-----	"	720	-----	720	-----	"	"	"	-----	same
10	day	1 50	-----	"	540	-----	540	10	"	"	"	worse	worse
10	"	2 75	-----	"	860	-----	860	10	"	"	100	-----	-----
10	mo.	60 00	-----	"	480	-----	480	-----	"	"	no	worse	worse
10	day	1 65	yes*	"	471	-----	471	10	"	"	"	"	"
10	"	1 80	-----	"	563	-----	563	10	"	"	"	"	"
10	"	2 00	-----	"	628	-----	628	10	"	"	"	same	same
10	"	1 90	-----	"	594	-----	594	10	dec. 25c	dec. 25c	-----	"	"
8	"	1 65	-----	"	471	-----	471	-----	neither	neither	50	better	better
10	"	1 80	yes*	"	515	-----	515	10	dec. 25c	-----	no	worse	worse
10	"	2 00	"	"	572	-----	572	10	neither	-----	"	"	"
10	"	1 90	-----	"	445	-----	445	-----	decrease	-----	"	"	"
8	"	1 60	yes*	"	515	-----	515	10	neither	-----	"	"	"
10	"	2 60	-----	"	814	-----	814	10	"	-----	"	"	"
10	"	2 00	-----	"	628	-----	628	-----	"	-----	-----	-----	-----
10	"	1 50	-----	mo.	480	-----	480	10	"	-----	100	same	same
10	"	1 60	-----	"	501	-----	501	-----	"	-----	* 50	"	"
10	"	2 25	-----	"	695	-----	695	10	"	-----	yes*	"	better
10	"	1 75	-----	"	541	-----	541	10	"	-----	no	worse	worse
12	mo.	40 00	-----	"	480	-----	480	-----	inc. \$5 p. mo.	dec. \$5 mo.	250	same	same
12	"	40 00	-----	"	480	-----	480	-----	neither	neither	-----	"	better
11	"	43 00	-----	"	546	-----	546	-----	"	"	no	worse	worse
12	"	40 00	-----	"	280	-----	280	-----	"	-----	"	better	"
12	"	40 00	-----	"	480	-----	480	-----	"	neither	"	worse	"
10	day	2 87½	yes*	"	900	165	1,065	10	"	"	300	same	better
10	mo.	80 00	-----	"	960	-----	960	-----	"	inc. \$20 mo.	200	worse	worse
12	"	80 00	-----	"	960	-----	960	-----	"	neither	no	"	"
10	day	2 00	-----	"	628	25	651	10	"	"	"	"	"
10	"	2 00	-----	"	520	-----	520	10	"	-----	-----	-----	-----
10	"	2 35	b. 23¼c	"	611	-----	611	10	"	inc. 15c day	-----	same	-----

* Does not say what.

t Time.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
8461	Port Huron	Switchman	F. & P. M.	Am.	29	m	2	1	10	10	12	10		Laying off
847				Can.	27	m			10	10	11½	15		Sickness
848	Saginaw	Flagman	"	Ger.	61	m	4		12	12	12			
849	"	"	"	Am.	29	m			16	16	10½	1½		Sickness
850	"	"	"	Ger.	41	m	2	3	12	12	11	1		"
851	"	"	"	Pole	30	m		8	10	10	12			
852	"	"	"	"	55	"	2	5	10	10	12			
853	"	"	"	"	30	"	2		10	10	12			
854	"	"	"	Ger.	42	"	2	5	10	10	12			
855	"	"	"	Pole	45	"			10	10	12			
856	"	"	"	Can.	53	"	2	3	10	10	12			
857	"	"	"	Ger.	36	"	2	6	10	10	12			
858	"	"	"	Am.	52	"	2	4	16½			½		Sickness
859	"	"	"	"	55	s			16½		12			
860	"	"	"	Eng.	54	m	2		16½	16½	10	2		Sickness
861	Ludington	"	"	Ger.	55	"	2	2	10	10	8			Sick. & l. of w.
862	"	"	"	"	60	"	2	1	12	12	12			
863	Saginaw	"	"	"	52	"	2	1	16	16	11½	½		Sickness
864	Bay City	"	"	Am.	19	s			12½	12½	13			
870	Delray	Leverman	"	Can.	28	"			10	10	12			
871	Detroit	"	"	Am.	23	"			10	10	12			
872	Saginaw	Gateman	"	"	67	m	2		11½	11½	12		18	
873	"	"	"	Scotch	61	"	2	5	12	12	12			
874	"	"	"	Rus.	67	"	2	4	16½	16½	12			
875	"	"	"	Eng.	37	"	2	3	17	17	12			
876	"	"	"	Am.	63	"	2		10½	10½	12			
877	Port Huron	Targetman	"	"	55	"	2	2	12	12	12			
878	Manistee	"	"	Nor.	32	"	2	1	12	12	12			
879	Saginaw	Yardman	"	Swede	36	"	2	1	10	10	12			
880	Bay City	Car sealer	"	French	52	"	4	8	10	10	12			
881	Ludington	"	"	Am.	25	s			10	10	9	3		Lack of work
882	Saginaw	"	"	Eng.	46	"			10	10	12			
883	Port Huron	Hostler	"	Can.	32	m	2		13	13	12	10		Laying off
884	"	"	"	"	30	"			13	13	12			
886	Manistee	Wiper	"	Am.	25	s			12	12	12			
886	"	"	"	Ger.	26	"			12	12	12			
887	Saginaw	"	"	Boh.	33	"	4	1	10	10	12			
888	Port Huron	"	"	Am.	27	m	2	1	13	13	11	1		Sick. & l. of w.
889	Ludington	"	"	Am.	25	"	2	3	10	10	12			
890	Saginaw	Yardman	"	"	64	s			10	10	12			
901	"	"	"	Ger.	42	m	2	2	10	10	12			
902	Ludington	Ft. foreman	"	Am.	46	"	2	3	12	12	12			
903	Port Huron	"	"	"	53	"	2		10	10	12			
904	"	"	"	Can.	34	"	2		10	10	12			
905	Detroit	Ft. handler	"	Am.	34	s			10	10	12			
906	"	"	"	"	29	m	2		10	10	12			
907	Ludington	"	"	Irish	54	w	1	1	8	8	8	4		Sick. & l. of w.
908	Detroit	"	"	Am.	20	"			10	10	12			
909	Ludington	"	"	Can.	27	"		6	6	10	2			Sick. & l. of w.
910	"	"	"	Swede	37	m	2	2	10	8	12			
911	"	"	"	Am.	24	"		8	10	9	3			Sick. & l. of w.
912	"	"	"	"	20	m	2		8	10	12			
913	"	"	"	"	19	"		10	10	8				Sickness
914	"	"	"	"	35	m	2	5	8	14	11	1		"
915	"	"	"	Nor.	30	"		8	8	8	12			
916	"	"	"	Ger.	28	"		8	10	7	5			Sick. & l. of w.
917	"	"	"	Swede	48	w	1	4	6	18	10	2		Sickness
918	"	"	"	Am.	22	m	2	1	10	10	12			
919	"	"	"	"	32	"	2	3	10	10	12			
920	"	"	"	"	33	"	2		8	8	3	9		Other bus.
921	"	"	"	Ger.	49	"	2	2	5	5	12			
927	"	"	"	Can.	20	"			10	10	12			
928	"	"	"	Am.	20	"			10	10	12			
929	"	"	"	Irish	47	m	2	2	8	10	7	5		Sickness
940	"	"	"	Can.	20	"			10	10	3	9		Sick. & l. of w.
941	"	"	"	Ger.	37	m	2	4	4	6	12			

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
942	Ludington	Ft. handler	F. & P. M.	Am.	20	m			10	12					
943	"	"	"	Bel.	33	s			10	10					
944	"	"	"	Nor.	31	s				12					
945	"	"	"	Am.	32	s				12					
946	"	"	"	"	31	m			10	8			4		Sickness
947	"	"	"	Can.	28	s			5	5			6		"
948	"	"	"	Am.	21	s			10	2 1/2			9 1/2		"
949	"	"	"	Irish	28	s			8	4			8		"
950	"	"	"	Can.	23	s			8	10			3		Sick, other w'k
951	"	"	"	Dane	45	m			1	10			10		"
952	"	"	"	Am.	18	s			10	6			6		Lack of work.
953	Manistee	"	"	"	31	s			8	8					
954	Ludington	"	"	Ger.	38	m			1	10			10		"
955	"	"	"	Nor.	43	s			1	10			10		"
956	"	"	"	French	43	s				10			10		"
957	Bay City	"	"	Ger.	46	m			3	10			10		"
958	"	"	"	Am.	20	s			10	9			8		Lack of work.
959	"	"	"	Can.	30	m			1	10			10		"
960	"	"	"	Dutch	36	s			10	6			6		Lack of work.
961	"	"	"	Ger.	49	w			3	10			10		"
962	"	"	"	Am.	48	m			1	10			10		"
963	Ludington	"	"	Can.	47	s			1	10			10		"
964	Saginaw	W. houseman	"	"	34	s			4	10			2		Lack of work.
965	Manistee	"	"	Am.	28	s			10	10			2		Sickness
966	"	"	"	Ger.	43	m			5	10			10		"
967	"	"	"	Am.	25	s			10	10			10		"
968	"	"	"	Can.	30	s			10	10			10		"
969	"	"	"	Ger.	35	m			10	10			10		"
970	"	"	"	French	28	s			10	11			1		Sickness
971	"	"	"	Ger.	49	m			6	10			10		"
972	"	"	"	Am.	37	s			1	10			1		Sickness
973	"	"	"	Ger.	23	s			10	11			1		"
974	Ludington	Trucker	"	Swede	32	m			3	6			14 1/2		"
975	"	"	"	Pole	41	s			8	10			10		"
976	Port Huron	"	"	Can.	22	s			10	10			20		Sickness
977	"	"	"	"	27	s			10	10			10		"
978	"	"	"	Am.	23	m			2	10			10		"
979	"	"	"	"	20	s			10	10			10		"
980	Saginaw	"	"	Eng.	"	m			12	12			12		"
981	"	"	"	Am.	45	s			3	10			10		"
982	"	Laborer	"	Ger.	53	s			4	10			7		Sickness
984	Port Huron	"	"	Can.	18	s			10	1 1/2			10		"
985	"	"	"	"	26	m			1	10			2		Sickness
986	"	"	"	Ger.	33	s			4	10			6		"
987	"	"	"	Eng.	22	s			10	4					"
988	"	"	"	Am.	39	m			1	10			10		"
989	Saginaw	"	"	Irish	19	s			10	9			3		Laid off
1000	Port Huron	Oilier	"	Am.	43	m			3	10			24		Accident.
1001	Saginaw	Shipper	"	"	42	s			4	10			12		"
1002	Bay City	Car cleaner	"	Boh.	44	s			4	10			15		W'k short hrs.
1003	Port Huron	"	"	Am.	43	s			5	10			15		Other bus.
1004	"	"	"	Ger.	46	s			5	10			10		"
1005	"	"	"	Can.	64	s				10			1		Sickness
1006	Saginaw	"	"	Irish	38	s			1	12			12		"
1007	Bay City	"	"	Am.	25	s			10	10			10		"
1008	"	"	"	Irish	58	s			10	10			10		"
1009	"	"	"	Dutch	52	s			8	10			10		"
1010	"	"	"	Ger.	23	s			10	10			10		"
1011	Saginaw	Lum'ydman	"	Am.	"	m			10	12					"
1012	"	"	"	"	34	s			10	12					"
1013	"	"	"	Irish	42	s			10	12					"
1014	"	"	"	Ger.	36	s			1	10			12		"
1015	"	"	"	French	40	s			7	11					Sickness
1016	"	"	"	Pole	"	s			6	10			10		"
1017	"	"	"	Boh.	"	s			10	10			10		"
1018	"	"	"	French	"	s			10	10			10		"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
10	day	\$2 00		s-mo.	\$626		\$626		neither		\$100	worse	worse
10	"	2 00		"	626		626		"	neither	75	"	"
10	"	1 00		"	313		313		"	"	no	same	same
10	"	1 00		"	313		313		"	"	no	better	better
10	"	2 00		"	378		378		"	"	50	"	"
5	"	1 00		"	156		156		"	neither	no	"	"
10	"	2 00		"	130		130		"	"	50	"	worse
8	"	1 80		"	140		140		"	"	no	same	"
9	"	1 80		"	421		421		"	"	40	better	better
10	"	2 00		"	626		626		"	"	200	worse	worse
10	"	2 00		"	312		312		"	"	no	same	"
8	"	1 80		"	500		500		"	"	75	"	same
10	"	2 00		"	626		626		"	"	yes*	"	better
10	"	2 00		"	626		626		"	"	100	worse	"
10	"	2 00		"	626		626		"	"	100	same	"
10	"	2 00		mo.	626		626		"	neither	yes*	worse	worse
10	"	1 25		"	293		293		"	"	"	better	better
10	"	1 25		"	391		391		"	"	no	worse	worse
10	"	1 25		"	195		195		"	"	"	same	same
10	"	1 80		"	501		501		"	"	"	worse	worse
10	"	1 80		"	501		501		"	"	"	"	"
10	"	1 50		"	470		470		"	"	no	same	"
10	"	1 25		"	325		325		"	"	"	worse	worse
10	mo.	40 00		"	400		400		"	inc. \$10 mo.	"	better	better
10	"	40 00		"	480		480		"	neither	"	same	same
10	"	40 00		"	480		480		"	"	200	better	"
10	"	40 00		"	480		480		inc. \$10 mo.	inc. \$5 mo.	no	worse	"
10	"	40 00		"	480		480		neither	neither	"	"	worse
10	"	40 00		"	440		440		inc. \$5 mo.	inc. \$10 mo.	"	"	"
10	"	40 00		"	480		480		neither	dec. \$5	"	same	"
10	"	45 00		"	495		495		"	neither	"	worse	"
10	"	30 00		"	330		330		"	dec. \$5 mo.	"	"	"
10	day	2 00		s-mo.	602		602		"	neither	"	"	same
10	"	2 00		"	626		626		"	"	"	"	"
10	"	1 25		mo.	363	\$14	377	10	"	"	175	"	worse
10	"	1 25		"	375		375	10	"	"	no	same	"
10	"	1 25	yes*	"	375	10	385	10	"	"	"	"	better
10	"	1 25	"	"	389	5	394	10	"	"	"	"	"
12	mo.	40 00		"	460		460		"	"	"	"	"
10	"	30 00		"	360		360		"	neither	"	worse	worse
10	day	1 25		"	390		390		"	"	no	"	"
10	"	1 25		"	45		45	10	"	"	50	better	"
10	"	1 25		"	390	20	410	10	"	neither	no	same	worse
10	"	1 25		"	390	20	410	10	"	"	"	worse	"
10	"	1 25		"	140		140	10	"	"	40	better	better
10	"	1 50		"	470	78	548	10	"	"	no	worse	worse
10	mo.	25 00		"	225		225		"	"	"	better	"
10	day	1 35		"	390		390	10	"	"	25	worse	worse
10	"	1 85		"	517		517		"	inc. 15c day	no	better	better
10	"	1 50		"	447		447	10	"	neither	"	worse	worse
10	"	1 25		"	373		373	10	"	"	70	same	better
10	"	1 25		"	391		391	10	"	"	no	worse	worse
10	"	1 25		"	358		358	10	"	"	100	same	same
12	"	1 40		"	438		438		"	"	no	worse	worse
10	"	1 40		"	438		438		"	"	"	same	same
10	"	1 40		"	438		438		"	"	"	worse	worse
10	"	1 40	yes*	"	438		438	10	"	"	"	same	same
10	"	1 40	"	"	438		438		"	"	"	"	"
10	"	3 75		"	700		700	10	"	"	"	worse	worse
10	"	1 25		"	390	7	397		"	"	"	same	same
10	"	1 25		"	390		390		"	"	no	worse	worse
10	"	1 25		"	390	6	396		"	"	"	same	"
10	"	1 25		"	287	14	401		"	"	"	"	"
10	"	1 25		"	390		390		neither	"	"	"	same
10	"	1 25		"	390		390	10	"	"	"	"	"
10	"	1 25		"	390		390		"	neither	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
1019	Ludington	Coaly'd man	F. & P. M.	Pole	29	s			10	10	12			
1020	"	"	"	French	38	s	2	1	12	12	12			
1021	"	"	"	Italian	29	s			10	10	2	10		Lack of work
1022	"	"	"	Swede.	35	s	2	2	8	8	12			
1023	Bay City	Sectionman	"	Ger.	40	s	2	2	10	10	12			
1024	"	"	"	"	45	s	2	5	10	10	12			
1025	Detroit	"	"	Am.	50	w	2	2	10	10	7	5		Sickness
1026	"	"	"	Irish	30	s			10	10	12			
1027	"	"	"	Am.	22	s			10	10	12			
1028	"	"	"	Irish	34	m	2	2	10	10	12			
1029	"	"	"	Ger.	21	s	2	2	10	10	12			
1030	Ludington	"	"	Swede.	36	s	2	2	10	10	12			
1031	"	"	"	Pole	28	s			10	10	9	3		Lack of work
1032	"	"	"	"	31	m	2	4	10	10	12			
1033	"	"	"	"	29	m	2	4	10	10	12			
1034	"	"	"	"	33	m	2	4	10	10	12			
1035	"	"	"	"	37	m	2	3	10	10	12			
1036	"	"	"	Am.	33	s			10	10	12			
1037	Saginaw	"	"	Ger.	39	m	2	4	10	10	12			
1038	"	"	"	Am.	49	s	2	4	10	10	12			
1039	"	"	"	Pole	20	s			10	10	12			
1040	"	"	"	Ger.	47	m	2	2	10	10	12			
1041	"	"	"	"	45	s			10	10	12			
1042	"	"	"	Swiss	38	s	2	2	10	10	12			
1043	"	"	"	Pole	40	s	2	2	10	10	12			
1044	"	"	"	Am.	20	s			10	10	12			
1045	"	"	"	Pole	43	m	2	2	10	10	10	2		
1046	"	"	"	Ger.	49	s	2	2	10	10	12			
1047	"	"	"	Boh'n	49	s	2	2	10	10	12			
1048	"	"	"	Ger.	22	s	2	2	10	10	12			
1049	"	"	"	"	22	s	2	2	10	10	12			
1050	"	"	"	"	48	s	2	2	10	10	12			
1051	"	"	"	"	39	s	2	2	10	10	8	4		Lack of work
1052	"	"	"	"	37	s	2	2	10	10	12			
1053	"	"	"	Pole	50	s	2	2	10	10	12			
1054	"	"	"	"	33	s	2	2	10	10	12			
1055	Port Huron	"	"	Can.	22	s	2	2	10	10	12			
1056	Amadore	"	"	"	47	s	2	2	10	10	12	4		Sickness
1057	"	"	"	"	34	s	2	2	10	10	12			
1058	Yale	"	"	Eng.	39	s	2	2	10	10	10	2		
1059	"	"	"	Scotch	27	s	2	2	10	10	12			
1060	Ubly	"	"	Am.	24	s	3	3	10	10	11	1		Lack of work
1061	Ludington	"	"	Can.	37	s			10	10	12			
1062	Saginaw	Lamb'y'd m	"	Ger.	50	m	2	2	10	10	12			
1063	"	Laund'ym'n	"	Scotch	40	s			10	10	8	9		Oth'r business
1064	"	"	"	Ger.	40	s			10	10	11	1		Vacation
1065	Detroit	Port'r p. car	"	Am.	30	s			8 1/2	8 1/2	12			
1066	Saginaw	Bridgeton'r.	"	"	22	s			12	12	9	3		Laid off
1067	"	"	"	"	46	m	2	2	12	12	12			
1068	Port Huron	"	"	Scotch	39	s	2	2	12	12	12	5		Sickness
1069	"	"	"	Irish	50	s	2	2	12	12	12	8		"
1070	Detroit	Lampligh'r.	"	Am.	23	s			10	10	12			
1071	Ludington	Lampligh'r	"	Scotch	65	m	2	2	10	10	12			
1072	Bay City	Lampligh'r	"	Am.	21	s			10	10	12			
1073	"	Car service.	"	"	27	m			10	10	12			
1074	Port Huron	Watchman	"	Eng.	32	s	2	2	13	13	12			
1075	Saginaw	Caller	"	Irish	26	s			12	12	12			
1076	Port Huron	Store boy	"	Am.	18	s			10	10	12	6		Sickness
1077	"	Depot mast.	"	"	36	s			10	10	12			
1078	Saginaw	Ticket insp.	"	"	48	s			16	16	12			
1079	"	Caller	"	Ger.	34	m	2	2	10	10	12			
1080	Port Huron	Janitor	"	French	41	s			10	10	12	1		Laying off
1081	Saginaw	M'r din r.	"	Eng.	50	m	2	2	12	12	12	2		Sickness
1082	"	Walter	"	Can.	23	s			10	10	7			
1083	"	Porter	"	Swede.	68	s	2	2	12	12	12			
1084	"	Cook	"	Am.	16	s			10	10	1 1/2			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 25.		mo.	\$391		\$391		neither	neither	\$150	worse	worse
12	"	1 50.	yes*	"	470	\$140	618	10	"	"	100	better	"
12	"	1 15.	"	"	60		60		"	"	no	"	"
12	"	1 50.	yes*	"	470		470		"	"	"	worse	"
12	"	1 15.	"	"	360		360		"	neither	"	"	"
12	"	1 35.	"	"	579		579	10	"	"	"	same	same
12	"	1 25.	yes*	"	245		245	10	"	"	no	worse	worse
12	mo.	35 00.	"	"	420		420	10	"	"	"	"	"
12	day	1 25.	"	"	384		384		"	neither	50	"	"
12	"	1 25.	"	"	384		384		"	"	no	better	same
12	"	1 25.	"	"	384		384		"	"	"	worse	worse
12	"	1 15.	"	"	360		360		"	"	"	same	same
12	"	1 15.	"	"	268		268		"	neither	"	worse	worse
12	"	1 15.	"	"	360		360		"	"	120	"	"
12	"	1 15.	"	"	360		360		"	"	120	same	same
12	"	1 15.	"	"	360		360		"	"	140	"	better
12	"	1 15.	"	"	360		360		"	"	170	better	same
12	"	2 00.	s-mo.	"	360		360		"	"	yes*	same	same
12	"	1 25.	mo.	"	391		391		"	"	no	"	"
12	mo.	35 00.	"	"	1,029		1,029		"	"	"	"	"
12	day	1 15.	"	"	360		360		"	"	"	worse	worse
12	"	1 15.	"	"	360		360		"	"	"	"	"
12	"	1 25.	"	"	391		391		"	"	"	"	"
12	"	1 25.	"	"	391		391		"	"	"	"	"
12	"	1 25.	"	"	391		391		"	"	"	"	"
12	"	1 25.	"	"	391		391		"	"	"	same	same
12	"	1 25.	"	"	325		325		"	"	"	"	"
12	"	1 25.	"	"	391		391		"	"	"	worse	worse
12	"	1 25.	"	"	391		391		"	"	"	same	same
12	"	1 15.	"	"	360		360		"	"	"	worse	worse
12	"	1 15.	"	"	360		360		"	"	50	"	"
12	"	1 05.	"	"	516		516		"	"	no	same	same
12	"	1 15.	"	"	239		239		"	"	"	worse	"
12	"	1 15.	"	"	360		360		"	"	"	"	worse
12	"	1 15.	"	"	360		360		"	"	"	"	"
12	"	1 15.	"	"	360		360		"	"	no	"	"
12	"	1 25.	"	"	355		355	10	"	"	"	"	"
12	"	1 10.	"	"	344		344		inc. 5c day	inc. 5c day	yes*	"	"
12	"	1 10.	"	"	344		344		neither	neither	no	worse	worse
12	"	1 10.	"	"	296		296	11	"	"	"	"	"
12	"	1 10.	"	"	344		344	12½	"	"	"	"	"
12	"	1 10.	"	"	337	2	339	11	"	inc. 5c day	"	same	same
12	"	2 00.	s-mo.	"	572		572		"	neither	"	worse	same
12	"	1 25.	mo.	"	391		391		"	"	"	worse	worse
12	mo.	15 00.	"	"	45		45		"	"	"	"	"
12	"	15 00.	"	"	165		165		"	"	"	"	"
12	5½	40 00.	"	"	480		480		"	neither	yes*	same	same
12	"	40 00.	"	"	360		360		"	"	no	"	"
12	"	50 00.	"	"	600		600		"	"	100	"	"
12	"	45 00.	"	"	532		532	12	"	"	"	"	"
12	day	1 25.	"	"	388		388	12	"	"	no	"	"
12	"	40 00.	"	"	480		480		inc. \$5 mo.	inc. \$5 mo.	25	better	better
12	mo.	1 50.	"	"	469		469		neither	neither	no	worse	worse
12	"	1 40.	"	"	438		438		"	"	"	"	"
12	"	40 00.	"	"	480		480		"	"	150	same	same
12	"	45 00.	"	"	540		540		"	"	yes*	worse	worse
12	"	50 00.	"	"	600		600		"	"	no	"	"
12	"	20 00.	"	"	236		236		"	"	"	"	"
12	"	75 00.	"	"	900		900		neither	neither	yes*	same	same
12	"	50 00.	"	"	600		600		"	"	no	"	"
12	day	1 50.	"	"	470		470		"	"	"	worse	worse
12	"	1 25.	"	"	390		390		"	"	"	"	"
12	mo.	36 33.	"	"	998		998		"	"	"	"	"
12	"	12 00.	"	"	84		84		"	"	"	"	"
12	"	50 00.	"	"	600		600		neither	neither	yes*	worse	"
12	"	12 00.	"	"	18		18		"	"	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroads where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
1125	Saginaw	Domestic	F. & P. M.	Am.	40	w			10	10	3	9		Sickness
1126		Cook	"	Ger.	27	m		1	10	10	12			
1127	Ludington	Car recorder	"	Am.	36			5	11	11	12			
1128	Detroit	Cartage agt.	"	"	33	s			12	12	12			
1129	Port Huron	Trans. man.	"	Can.	21				10	10	12	7		Laying off
1130	"	Roadmaster	"	Scotch	55	m					12			
1131	"	"	"	Am.	48						12			
1132	Saginaw	Trackman	"	Scotch	43			4	10	10	12			
1133	"	G'l foreman	"	"	34			1	10	10	12			
1134	Bay City	Drang'sman	"	Am.	27	s			9½	9½	12			
1135	Saginaw	Tr. bag'man	"	"	37	m		2	8	8	12			
1136	Port Huron	G'l foreman	"	"	35				10	10	12			
1137	Saginaw	Civil eng'r	"	"	46				10	10	12			
1139	Big Rapids	Conductor	C. & W. M.	Hol.	47		5				12			
1140	Allegan	"	"	Am.	37			1	8	8	12			
1141	Grand Rapids	"	"	"	34			1			12			
1142	"	"	"	"	36			1	10	9	12			
1143	"	"	"	"	41			3			12			
1144	"	"	"	"	35			1			10	3		Sickness
1145	"	"	"	"	38	s					11	1		Lay off
1146	Holland	"	"	"	35			13	13		11	1		Sickness
1147	"	"	"	"	35	m		2			12			
1148	Battle Creek	"	"	"	28			8	13	13	12			
1149	White Cloud	"	"	"	33			3	13	13	12			
1150	Muskegon	"	"	"	36			13	13	13	16			
1151	Holland	"	"	"	34			2			12			
1152	Muskegon	"	"	"	32	s					12			
1153	White Cloud	"	"	"	24						9	3		Lack of work
1154	Holland	"	"	"	32	m		1			10	2		Sickness
1155	New Buffalo	"	"	"	38			2			10	2		
1156	Holland	"	"	"	27			1			12			
1157	Muskegon	"	"	"	36			1	10	10	12			
1158	Grand Rapids	"	"	"	41			3	12	12	8	4		Lack of work
1159	Muskegon	"	"	"	33			3	10	10	12			
1160	"	"	"	"	28			1	10	10	12			
1161	Holland	"	"	"	34			1	12	12	12			
1162	Muskegon	"	"	Can.	35			4	10	10	12			
1163	Holland	"	"	Am.	28			2	14	14	9	3		Lack of work
1164	Grand Rapids	"	"	"	37			2	13	13	12			
1165	"	"	"	"	29						12			
1181	Muskegon	Engineer	"	"	23	s			15	12	6	6		Sickness
1182	Grand Rapids	"	"	"	37	m		3			10	2		
1183	Muskegon	"	"	"	22	s			10	10	12			
1184	"	"	"	"	32	m		2	11	11	13			
1185	St. Joseph	"	"	"	28			1	9½	11	1	1		Vacation
1186	"	"	"	"	36			2	14	14	12			
1187	Grand Rapids	"	"	"	27				10	10	12			
1188	"	"	"	"	57			8	10	10	10	2		Sickness
1189	"	"	"	"	39			1	10	10	12			
1190	"	"	"	"	39				12	12	11	1		Sickness
1191	Holland	"	"	"	27			14	14	8	4			
1192	Big Rapids	"	"	"	39			2			12			
1193	Holland	"	"	Eng.	24	s			13		12			
1194	"	"	"	Irish	22						12			
1195	Grand Rapids	"	"	Am.	32	m			7	7	12			
1196	"	"	"	"	38			3			11½	13		Pleasure
1197	New Buffalo	"	"	"	34			2			12			
1198	Grand Rapids	"	"	"	28	s					12			
1199	Muskegon	"	"	"	27			18	14	11	1			Other bus.
1200	"	"	"	"	23				12	12	11	1		
1201	"	"	"	Can.	28				11	11	12			
1202	Holland	"	"	Am.	39	m		3	10	10	12			
1203	Muskegon	"	"	"	39				13	13	12			
1204	Grand Rapids	"	"	"	27			2	15	13	12			
1205	St. Joseph	"	"	"	26				11	11	11	1		Pleasure

Railroad employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$10 00		mo.	\$30		\$30		neither		no		
10	"	30 00		"	360		360						
11	"	45 00		"	540		540		inc. \$5 mo.	inc. \$5 mo.	\$300	better	better
12	"	150 00		"	1,800		1,800		neither	neither	yes*	worse	worse
10	day	1 65		"	504		504	10	inc. \$5 mo.		300	better	
14	mo.	85 00		"	1,020		1,020		neither		no	worse	
10	"	85 00		"	1,020		1,020			dec. \$15 mo.	no	same	
10	"	85 00		"	1,020		1,020			neither	300	worse	same
9½	"	75 00		"	780		780				yes*		
8	day	2 00		"	625		625		neither	inc. 10c day	450		worse
10	mo.	100 00		"	1,200		1,200			neither	600		same
10	"	150 00		"	1,800		1,800						
12½	"	100 00		"	1,200		1,200		inc. \$17.68 mo.	inc. \$30 mo.	250	better	better
8	"	100 00		"	1,200		1,200		neither	neither	600		
9	"	100 00		"	1,200		1,200					same	
9½	"	100 00		"	1,200		1,200				300	worse	worse
13	"	83 33½		"	1,000		1,000				200		
13	"	100 00		"	1,000		1,000				150		
13	"	100 00		"	1,100		1,100				no		
13	"	80 00		"	880		880			inc. \$15 mo.		better	same
13	"	83 33½		"	1,000		1,000		dec. 10%	neither	325	worse	worse
13	"	80 00		"	960		960		neither	dec. \$20 mo.	300	better	same
13	"	75 00		"	900		900			inc. 10 "	300	worse	worse
13	"	75 00		"	900		900			neither		better	same
14	"	80 00		"	960		960				200		
12	"	75 00	hr. 27c	"	900	\$24	924	10			100		better
15	"	75 00		"	675		675				100	worse	worse
14	"	75 00		"	750		750				100		
12	"	75 00		"	750		750				100		
10	"	75 00		"	900		900			inc. \$5 mo.	200	same	
10	"	75 00		"	900		900			neither	yes*	same	same
12	"	75 00		"	800		800			inc. \$15 mo.	no	worse	worse
10	day	2 65		"	830		830			neither	no	same	same
10	"	2 65		"	830		830				yes*		
12	mo.	75 00		"	900		900			inc. \$10 mo.	250	same	same
10	day	2 65		"	829		829			neither			
14	mo.	80 00		"	720		720			inc. \$15 mo.	150	same	same
13	"	75 00		"	900		900			" 10 "	no	same	
10	"	75 00		"	900	75	975			neither	400	worse	worse
14	day	3 50	hr. 35c	"	598		598	12			no	same	better
10	"	3 75		"	975		975				yes*		same
10	mo.	90 00		"	1,080		1,080						
11	"	85 00		"	1,020		1,020						
14	mi. 8c		hr. 30c	"	1,200		1,200		dec. 10%	dec. 10%	no	worse	worse
10	day	3 50	yes*	"	1,095	125	1,220	10½	neither		500	better	same
9	"	4 00		"	1,040		1,040				250		
10	"	3 50	yes*	"	1,085	140	1,225	10½			no	worse	worse
12	"	3 75		"	1,073		1,073	12½			400		
14	"	2 50		"	520		520				450	worse	worse
12	mi. .03		hr. 30c	mo.	1,244		1,244	14		neither	yes*	same	
13	mo.	110 00		"	1,320		1,320				500	same	same
15	"	95 00		"	1,140		1,140				500	better	better
7	mi. .03		hr. 30c	"	1,600		1,600	9			800		
13	"	.035		"	1,140	30	1,170	15		increase	200		worse
12	"	.035	hr. 25c	"	1,320	60	1,380	12½	increase		500	worse	
12	"	.035		"	1,380	60	1,440	12½			yes*		
16	"	.085		"	800		800	14	neither	neither	no	same	worse
12	day	2 50	mi. 3½c	"	715		715	12					
11	"	2 50		"	783		783			neither			
10	mo.	100 00		"	1,200		1,200	10				same	same
13	"	70 00		"	840		840	13					
13½	"	100 00		"	1,200		1,200				400		
11	day	2 50	hr. 25c	"	715		715	11			100	worse	

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
1206	Holland.....	Engineer...	C. & W. M.	Am.....	24	s			12	12	9	3		Sick. & pleasure
1207	"	"	"	"	39	m	2	2	10	10	12			"
1208	New Buffalo.	"	"	"	30	s			10	10	11	1		Sickness
1209	"	"	"	"	28	m	2		11	11	11	1		"
1218	Grand Rapids.	Fireman...	"	"	23	s			8	8	12			"
1219	"	"	"	"	27	"					11	1		Lack of work
1220	"	"	"	"	21	"			9	9	12			"
1221	"	"	"	"	29	"			12	12	12			"
1222	"	"	"	"	25	"			9	9				"
1223	"	"	"	"	26	m	2		10	10	8	4		Lack of work
1224	"	"	"	"	28	s			11	11	12			"
1225	Holland.....	"	"	"	23	m	2		14	14	12			"
1226	"	"	"	Scotch	27	s					5	7		Lack of work
1227	"	"	"	Am.....	25	"			14	14	11	1		Pleasure
1228	"	"	"	"	20	"			10	10	12			"
1229	Grand Rapids.	"	"	Irish...	27	"			11	11	12			"
1230	"	"	"	Am.....	24	m	2	1	18	14	11½	15		Sickness
1231	Muskegon	"	"	"	28	"	2				11½	¼		Pleasure
1232	Grand Rapids.	"	"	"	26	s			12					"
1233	"	"	"	"	28	"			11			1		Sickness
1234	Muskegon	"	"	"	41	m	3		14	13	10	2		"
1235	"	"	"	"	26	s			18	15	11	1		"
1236	"	"	"	Irish...	25	"			16	12	12			"
1237	"	"	"	Am.....	22	"			18	12	10	2		Laid off
1238	"	"	"	"	21	"			12	12	12			"
1239	"	"	"	Eng.....	27	"			13		12			"
1240	Grand Rapids.	"	"	Am.....	25	"			15	12	12			"
1241	St. Joseph	"	"	"	21	m	2		12	12	12			"
1242	"	"	"	"	23	s			9¼	11½		¼		Vacation
1243	Big Rapids	"	"	"	26	"			14	14	6	6		"
1244	Grand Rapids.	"	"	Irish...	24	m	2		12		12	5		Business
1245	New Buffalo.	"	"	Am.....	27	s			10	10	5	7		"
1246	Grand Rapids.	Brakeman...	"	"	23	"					9	8		"
1247	"	"	"	"	31	"			11		11	1		Sickness
1248	"	"	"	"	34	m	2	1	10	10	10	2		Lack of work
1249	"	"	"	"	24	s			12		12			"
1250	Owosso	"	"	Ger.....	23	"			11		11	1		Lack of work
1251	White Cloud.	"	"	Am.....	24	"			11		12			"
1252	Holland	"	"	"	35	"					4	8		Other work
1253	Reed City	"	"	"	24	"			11		11	1		Accident
1254	New Buffalo	"	"	"	44	m	2	4			12			"
1255	Holland	"	"	"	23	s			15	13	12			"
1256	"	"	"	"	24	"			13	13	12			"
1257	"	"	"	"	27	"			13	13	8	4		Lack of work
1258	Grand Rapids.	"	"	"	28	"			18	13	10	2		"
1259	"	"	"	Can.....	29	m	2	3	15	12	12			"
1260	Holland	"	"	Am.....	31	s			18	12	11	1		Lack of work
1261	Grand Rapids.	"	"	"	38	m	2	1	10	8	7	5		"
1262	Holland	"	"	Ger.....	33	"			13	11	11	1		"
1263	Muskegon	"	"	Am.....	34	m	2	2	18	13	12			"
1264	Holland	"	"	"	39	"	2	1	13	13	10	2		Sickness
1265	"	"	"	"	28	s			13	13	12			"
1266	"	"	"	Irish...	28	"			13	13	12			"
1267	Grand Rapids.	"	"	Am.....	30	m	2	2	13	14	12			"
1268	"	"	"	Eng.....	27	"	2	1			10	2		Sickness
1269	"	"	"	Am.....	33	"	2	2			10	2		Accident
1270	Holland	"	"	"	32	"	2	1			10	2		Sickness
1271	White Cloud.	"	"	"	24	"	2	1			11	1		Resting
1272	New Buffalo	"	"	"	25	s					10	2		Sickness
1273	"	"	"	"	22	m	2				12			"
1274	Grand Rapids.	"	"	"	28	"	2	1			12			"
1275	Muskegon	"	"	"	34	"	2	2	13	13	11	1		Sickness
1276	"	"	"	"	24	"	2	1	12		12			"
1277	Holland	"	"	"	25	s			12	12	12			"
1278	"	"	"	"	26	"			12	12	10	2		Lack of work
1279	"	"	"	"	28	"			12	12	10	2		Sickness

* Sickness, lack of work, and vacation.

Railway Employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
12	mo.	\$80 00		mo.	\$720		\$720		neither	neither	\$150	same	better
10	"	90 00		"	1,080		1,080		"	"	400	worse	worse
10	day	2 50		"	715		715		"	"	150	"	"
11	"	2 50	hr.22½c	"	715	\$71	786	10	increase	increase	200	same	"
8	mile	01½	yes*	"	700	80	780	8½	neither	neither	200		
12	"	01½	"	"	480	60	540	12	"	"	no	worse	
9	mo.	35 00		"	420	75	495		"	"	no	same	same
12	mile	01½	"	"	800		800	14	"	"	150	worse	worse
9	"	01½	"	"	750	9	759		"	"	no	same	"
10	"	01½	"	"	540		540		"	"	no	worse	"
11	mo.	60 00		"	720		720		"	"	yes*		
14	day	2 25		"	704		704	12			no	better	
11	mile	01½	hr.17½c	"	225		225	14	neither	neither	50	same	worse
14	mo.	60 00		"	660		660		"	"	100	same	same
10	"	50 00		"	600		600		"	"			
11	day	2 50		"	783		783		"	"	no	worse	
8	mile	01½		"	670		670		"	"	"		worse
12	day	2 00	hr.17½c	"	600		600	12	"	"	"	same	
13	mo.	60 00		"	720		720		"	"	100		
12½	mile	01½		"	660		660				50	worse	worse
10½	day	2 00	hr.15c	"	520		520	12	neither	increase	no	"	same
16½	"	2 00	hr.17½c	"	572		572	12	"	"	"		
14	"	1 75		"	547	12	565	12	"	neither	"		worse
15	mo.	50 00	hr.17½c	"	500		500	14	"	increase	"	worse	
12	"	45 00		"	540		540		"	neither			
18	"	50 00		"	600		600	12	"	"	no	same	same
12½	"	75 00		"	900		900		"	"	100		
12	day	1 25	yes*	"	416		416	12	"	"	no	worse	
14	mile	01½	mi. 1½c	"	470	130	600		dec. 10%	dec. 10%		"	worse
13	mo.	60 00		"	360		360		neither	neither		"	
10	mile	01½		"	600	24	624	15	"	increase	75	"	"
10	day	1 25	hr.12½c	"	162		162		"	neither	no		
8	mo.	50 00		"	450		450		inc. \$5 mo.	inc. \$5 mo.	"	better	
10	"	55 00		"	605		605		neither	neither	50		
10	"	45 00		"	450		450		"	"	no	worse	worse
10	"	55 00	yes*	"	690	50	710		"	"	"		
12	day	1 50		"	429		429		"	"	"		
11	mo.	60 00		"	720		720		"	inc. \$10 mo.	100	same	same
12	"	55 00		"	220		220		"	neither	no	worse	worse
16	"	55 00		"	605		605		"	"	"		
12	"	55 00		"	660		660		"	inc. \$5 mo.	"	better	same
14	"	55 00		"	660		660		"	"	"	same	same
13	"	60 00		"	720		720		"	neither	"		
13	"	60 00		"	480		480		"	inc. \$10 mo.	"		
13	"	55 00		"	550		550		"	" 5 "	"		
12½	"	55 00		"	660		660		"	" 5 "	200		
12½	"	60 00		"	690		690		"	increase	no		
9	"	60 00		"	420		420		"	neither	"		
12	"	55 00		"	605		605		"	"	"	worse	
13	"	50 00		"	600		600		"	"	200	better	better
13	"	50 00		"	500		500		"	dec. \$20 mo.	no	worse	worse
13	"	50 00		"	600		600		"	" 20 "	75		
12	"	60 00		"	720		720		inc. \$5 mo.	" 5 "	"	better	better
12½	"	60 00		"	720		720		" 5 "	" 5 "	100	same	same
15	"	55 00		"	550		550		neither	"	100	better	
16	"	60 00		"	600		600		inc. \$5 mo.	increase	"	worse	worse
14	"	55 00		"	550		550		neither	neither	100		
14	"	60 00		"	660		660		"	"	no	same	same
12	"	55 00		"	550		550		"	inc. \$5 mo.	50	worse	worse
10	"	55 00		"	660		660		"	neither	100		
7	"	55 00		"	660		660		"	"	no		
13	"	55 00		"	605		605		"	inc. \$5 mo.	100	better	better
12	"	55 00		"	660		660	12	"	" 10 "	no	same	same
12	"	55 00		"	660		660		"	" 5 "	"	better	
12	"	55 00		"	550		550		"	" 5 "	"	same	
12	"	60 00		"	600		600		"	" 10 "	"		

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
1280	Big Rapids	Baggage m'n	C. & W. M.	Am.	31	m					11½	12		Pleasure
1281	Allegan	"	"	"	25	"					12	12		
1282	Bangor	"	"	Irish	42	"	6	1	12	12	12	12		
1283	St. Joseph	"	"	Am.	28	"			10	10	12	12		
1284	Grand Rapids	"	"	"	31	s			12	12	12	12		
1285	"	"	"	"	27	"					3	1		Sickness
1286	Muskegon	Com. agent.	"	Irish	41	m					12	12		
1287	"	Agent	"	Am.	36	"		1	10	10	12	12		
1288	Allegan	"	"	"	30	"			12	12	12	12		
1289	Coloma	"	"	"	41	"		2	10	15	12	12		
1290	White Cloud	"	"	Can.	48	"		4	12	15	12	12		
1291	Bangor	"	"	Am.	53	"			10	15	12	12		
1292	Pentwater	"	"	"	42	"		3	12	15	12	12		
1293	Chicago	"	"	Swede.	18	s			14	12	12	12	1	
1294	St. Joseph	"	"	Am.	53	m		1	10	15	12	12		
1295	Bent'n Harbor	"	"	"	32	"		1	14	14	12	12		
1296	Sawyer	"	"	"	33	"		4	14	14	12	10		Pleasure
1297	Cassovia	"	"	"	32	"		1	16	14½	12	7		
1298	Fillmore	"	"	Hol.	24	"		1	11	11	12	12		
1299	Bridgeman	"	"	Am.	34	s			12	12	11½	15		Vacation
1300	Mears	"	"	"	22	m			17	17	12	12		
1301	Ellsworth	"	"	Am.	24	"		1	14	14	12	12		
1302	Breedsville	"	"	"	25	"		1	10	10	11½	15		Sickness
1303	New Richmond	"	"	"	26	s			11	13	12	12		
1304	Newaygo	"	"	Can.	30	m		2	15	13	12	21		Sprained ankle
1305	Alden	"	"	Am.	36	"			14	14	12	12		
1306	Kent City	"	"	"	38	"			12	12	12	12		
1307	Riverside	"	"	"	32	"		1	10	15	12	12		
1308	Stevensville	"	"	Hol.	29	"		3	13	16	12	12		
1309	New Era	"	"	Am.	31	"		2	15	14	12	8		Pleasure
1310	Holland	Tr. disp'ch'r	"	"	35	"			8	8	12	12		
1311	"	Operator	"	"	25	s			11	11	12	12		
1312	Allegan	"	"	"	21	m			12	12	11	1		Sickness
1313	"	"	"	"	26	"			12	12	8	4		
1314	Grand Rapids	"	"	"	40	s			12	12	12	12		
1315	Holland	"	"	"	20	"			12	12	12	12		
1316	Bent'n Harbor	"	"	Can.	42	"			12	12	12	12		
1317	Grand Rapids	"	"	Irish	19	"			10	10	11	1		Vacation
1318	Grand Haven	"	"	Am.	23	"			12	12	12	12		
1319	Fennville	"	"	"	26	"			11	11	10	2		Vacation
1320	Bridgeman	"	"	Irish	20	"			12	12	12	12		
1321	White Cloud	"	"	Am.	26	"			12	12	12	12		
1322	Fremont	"	"	"	30	m	2	1	12	12	12	12		
1323	Muskegon	"	"	"	22	s			13	13	12	12		
1324	"	"	"	"	31	m		2	10	10	12	12		
1325	Watervliet	"	"	"	23	"		1	18	18	12	3		Lack of work.
1326	St. Joseph	"	"	"	23	"			12	12	12	12		
1327	Petokey	Cashier	"	"	23	"			10	10	12	12		
1328	Holland	"	"	"	26	s			10	10	12	12		
1329	St. Joseph	"	"	"	26	m	2	1	10	10	12	12		
1330	"	"	"	"	25	s			10	10	12	2		Sickness
1331	Grand Rapids	"	"	"	24	"			10	10	12	12		
1332	Muskegon	Chief clerk	"	"	20	"			9	9	10	2		
1333	"	"	"	"	24	"			10	10	12	12		
1334	Grand Rapids	Clerk	"	"	23	m			10	10	12	12		
1335	"	"	"	"	20	"		1	10	10	12	12		
1336	"	"	"	Can.	31	"	2	1	10	10	12	12		
1337	Muskegon	"	"	Irish	26	s			10	10	12	12		
1338	Grand Rapids	"	"	Am.	19	"			10	10	12	12		Vacation
1339	Grand Rapids	"	"	"	50	m	2	1	10	10	12	12		
1340	Petokey	Bookkeeper	"	"	21	s			10	10	12	12		
1341	Grand Rapids	"	"	Nor.	22	m	2		10	10	12	12		
1342	Muskegon	Clerk	"	Can.	40	"	2	1	10	10	10	2		Lack of work.
1343	"	"	"	Am.	28	s			10	10	12	12		
1344	"	"	"	"	20	s			10	10	12	12		
1345	"	"	"	"	22	m	2		10	10	12	12		

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
18	mo.	\$55 00		mo.	\$632		\$632		neither	inc. \$5	no	same	same
12	"	55 00	hr 20c	"	660	\$50	710	12	"	neither	\$200	worse	"
12	"	38 00		"	420		420		"	"	150	same	"
12	"	40 00		"	480		480		"	"	no	worse	worse
12	"	50 00		"	900		900		"	"	100	"	"
8	"	50 00		"	150		150		dec. 10%		no	"	"
10	"	300 00		"	3,000		3,000		inc. \$600		1,800	same	same
12	"	150 00		"	1,800		1,800		neither	inc. \$25 mo	500	"	"
12 1/2	"	55 00		"	660		660		"	"	150	"	"
12 1/2	"	52 00		"	384		384		"	"	100	worse	worse
12	"	50 00		"	660		660		"	"	150	"	"
11	"	50 00		"	960		960		"	"	800	same	"
12	"	50 00		"	900		900		"	"	100	"	same
12 1/2	"	75 00		"	418		418		"	"	75	"	"
14	"	75 00		"	900		900		dec. 10%	"	no	"	better
15	"	39 00		"	450		450		neither	"	200	worse	worse
15	"	43 68		"	470		470		"	"	100	same	same
12	"	40 00		"	432		432		"	inc. \$1 mo	62	worse	"
12	"	40 00		"	900		900		"	neither	no	same	same
17	"	50 00		"	900		900		inc. \$10 mo		yes*	better	"
14	"	60 00		"	720		720		neither	dec. \$5	no	"	"
10	"	50 00		"	575		575		"	"	100	same	better
12	"	33 00		"	480		480		"	"	yes*	"	same
12	"	58 00		"	696		696		"	inc. \$8 mo	no	"	better
14	"	40 00		"	480		480		"	neither	100	same	same
12	"	40 00		"	480		480		"	inc. \$5 mo	100	worse	worse
12 1/2	"	35 00		"	420		420		"	neither	900	same	same
14	"	28 50		"	462		462		"	"	50	worse	same
14 1/2	"	40 00		"	476		476		"	"	200	same	same
8	"	90 00		"	1,080		1,080		"	"	400	better	"
11	"	45 00		"	540		540	11	"	"	no	"	"
12	"	40 00		"	440		440		"	"	"	worse	"
12	"	40 00		"	320		320		"	"	100	"	same
12	"	40 00		"	440		440		"	"	"	"	"
12	"	45 00		"	540		540		"	neither	no	same	"
12	"	50 00		"	600		600		"	inc. \$10 mo	250	worse	worse
10	"	40 00		"	440		440		"	"	no	"	"
12	"	40 00		"	480		480		"	neither	"	same	same
11	"	35 00		"	350		350		"	"	"	"	"
12	"	40 00		"	210		210		"	neither	"	"	"
12	"	50 00		"	400		400		"	"	75	"	worse
12	"	35 00		"	420		420		"	"	"	"	same
10	"	35 00		"	780		780		"	"	no	"	"
12	"	37 00		"	333		333		inc. \$10 mo		"	better	"
12	"	45 00		"	510		510		neither		250	same	"
10	"	60 00		"	720		720		inc. \$5 mo		300	"	"
10	"	55 00		"	660		660		neither		200	better	same
10	"	63 00		"	780		780		inc. \$5 mo	inc. \$15 mo	no	same	better
10	"	50 00		"	500		500		neither	" 10 "	" 100	"	same
10	"	50 00		"	600		600		inc. \$5 mo	" 5 "	yes*	better	"
9	"	45 00		"	450		450		" 5 "		no	same	same
10	"	75 00		"	906		906		neither	neither	250	"	"
10	"	50 00		"	600		600		"	"	no	"	"
13	"	65 00		"	480		480		inc. \$10 mo	"	"	"	"
10	"	50 00		"	780		780		neither		850	"	same
10	"	45 00		"	518		518		inc. \$5 mo	inc. \$5 mo	100	better	same
10	"	45 00		"	540		540		"	"	no	same	same
10	"	45 00		"	540		540		"	"	150	"	"
10	"	45 00		"	540		540		neither	inc. 28c da	100	worse	same
10	day	1 40		"	438		438		"	"	"	"	"
10	mo.	50 00		"	600		600		inc. \$10 mo		"	same	better
10	"	50 00		"	600		600		neither		150	worse	worse
10	"	55 00		"	660		660		"	inc. \$5 mo	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.	Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.		
1356	Holland	Billing clerk	C. & W. M.	Am.	26	s			12	12	12			
1357	Grand Rapids			"	34	s		1	10	10	12			
1358	"	Clerk	"	"	28	m			10	10	12			
1359	St. Joseph	"	"	"	24	"			10	10	12			
1360	Holland	"	"	"	32	"			10	10	12			
1361	Muskegon	"	"	"	37	s			10	10	12			
1362	"	"	"	"	28	"		4	10	10	12			
1363	"	"	"	"	18	s			10	10	12			
1364	"	"	"	"	21	"			10	10	12			
1365	"	"	"	Scotch	21	m			10	10	12			
1366	"	"	"	Dutch	17	s			10	10	5	7		W'k elsewhere
1367	New Buffalo	"	"	Am.	24	m		3	10	10	12			
1368	"	"	"	"	27	s			10	10	12			
1369	"	"	"	"	20	"			10	10	12			
1370	Muskegon	"	"	"	16	"			10	10	1	11		Other work
1371	Grand Rapids	"	"	"	22	m			8	8	12			
1372	White Cloud	"	"	"	29	"		1	12	12	12			
1373	"	Checker	"	Can.	32	"			11	11	12			
1374	"	Clerk	"	Dutch	19	s			10	10	12			
1375	Grand Rapids	"	"	Am.	21	"			10	10	12			
1376	Muskegon	"	"	"	43	m		2	10	10	12			
1377	Grand Rapids	Checker	"	Can.	20	s			10	10	12			
1378	Muskegon	"	"	Dutch	62	m			11	11	12		13	Sickness
1379	Holland	"	"	Am.	31	"					8	4		Lack of work
1380	Grand Rapids	"	"	"	34	"		4	10	10	12			
1381	"	"	"	Ger.	42	"			10	10	10			
1382	"	"	"	Am.	38	"		1	10	10	12			
1383	Holland	Baggageman	"	Ger.	26	"			10	10	3			Just began w'k
1384	Muskegon	"	"	Am.	42	"			16	16	12			
1385	White Cloud	"	"	"	24	"			13	13	12			
1386	Newaygo	"	"	"	27	"			13	13	12		20	Sickness
1387	Grand Haven	"	"	Dutch	31	"			10	10	12			
1388	Muskegon	"	"	Can.	32	"			12	12	12			
1389	Holland	"	"	"	36	"		3	10	10	12			
1390	Grand Rapids	"	"	Am.	35	"			10	10	12			
1391	Holland	"	"	"	30	s			11	11	10	2		Sickness
1392	Muskegon	"	"	"	43	m			16	16	12			
1408	"	Carpenter	"	Swede	21	"		1	10	10	12			
1409	"	"	"	Nor.	30	"		2	10	10	12			
1410	"	"	"	Aus.	30	"			4	10	12			
1411	"	"	"	Swede	48	"		5	10	10	12			
1412	"	"	"	Ger.	34	"		7	10	10	12			
1413	"	"	"	Finn.	41	"			10	10	12			
1414	"	"	"	Nor.	37	"			10	10	12			
1415	"	"	"	Am.	31	"		3	10	10	12			
1416	Holland	"	"	"	38	"		1	10	10	12			
1417	Muskegon	"	"	"	34	s			10	10	12			
1418	Grand Rapids	"	"	Irish	37	m			11	11	12			
1419	Holland	"	"	Am.	32	"		3	10	10	12			
1420	Sawyer	"	"	"	47	"			16	16	10			
1421	Muskegon	"	"	"	24	s			10	10	12			
1422	Bangor	"	"	"	39	m			10	10	11	1		Sickness
1423	Muskegon	Foreman*	"	Can.	38	"			10	10	12			
1424	"	Car builder	"	Am.	63	"			10	10	12			
1425	Grand Rapids	Foreman†	"	Scotch	"	"		1	9	10	12			
1426	"	Car repairer	"	Am.	38	"			10	10	12			
1427	"	"	"	"	29	s			10	10	12			
1428	New Buffalo	"	"	Dutch	26	m		2	10	10	12			
1429	"	"	"	Can.	33	"		3	10	10	11	1		
1430	White Cloud	"	"	Am.	33	"			1	10	10	12		
1431	St. Joseph	"	"	Ger.	48	"			4	10	12			
1442	Muskegon	"	"	Nor.	45	"		3	10	10	12			
1443	"	"	"	"	51	"		4	10	10	12			
1444	"	"	"	Am.	34	"		4	10	10	12			
1445	"	"	"	Ger.	35	"		2	10	10	1	11		
1446	"	"	"	Am.	30	"		1	10	10	12			

* Car sh ops. † Repair shop.

Railway employes.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per		Regular time.	Overtime.	Total.						
12	mo. \$45 00		mo.	\$540		\$540		neither	neither	\$80	same	same
10	" 45 00		"	540		540		"	"	200	worse	worse
10	" 45 00		"	540		540		inc. \$5 mo.	inc. \$5 mo.	200	better	better
10	" 45 00		"	540		540		neither	neither	75		
10	" 40 00		"	480		480		"	"	no	worse	worse
10	" 50 00		"	600		600		"	"	no	same	same
10	" 75 00		"	900		900		"	inc. \$10 mo.	100		
10	" 50 00		"	600		600		"	"	no		
10	" 45 00		"	540		540		"	"	no		
10	" 82 50	hr. 32c	"	990		990	11	neither	neither	500		
10	" 30 00		"	150		150		"	"	no		
10	" 40 00		"	480		480		"	"	150	same	worse
10	" 50 00		"	600		600		inc. \$10 mo.	inc. \$10 mo.	no	better	
10	" 50 00		"	600		600		inc. \$10 mo.	inc. \$25 mo.	no		
10	" 30 00		"	30		30		neither	"	no	better	better
8	" 45 00		"	540		540		"	"	no	better	better
12	" 40 00		"	480		480		"	"	100	same	
11	day 1 50	hr. 15c	"	470	\$16	486	11½	"	"	350		
10	" 30 00		"	360		360		"	"	no	same	same
10	" 45 00		"	540		540		"	"	100		
10	day 1 50		"	470		470		"	"	no		
10	mo. 35 00		"	420		420		inc. \$3 mo.	increase	no		
11	day 1 40	hr. 14c	"	420		420	11½	neither	"	no	worse	worse
10	" 30 00		"	240		240	10	"	"	no	same	same
10	day 1 50	yes*	"	470	10	480	10½	"	"	100	same	worse
10	" 1 50	"	"	470	30	500	10½	"	"	100		
10	" 1 50	"	"	470	20	490	10½	"	"	75	same	same
10	mo. 25 00		"	105		105		"	"	no		
10	" 45 00		"	540		540		"	"	no	worse	worse
12	" 30 00		"	360		360		"	"	"	same	better
13	" 25 00		"	393		393		"	inc. \$5 mo.	"		
10	" 40 00		"	480		480		"	neither	"		
12	day 1 15		"	390		390		"	"	"		
10	" 1 75		"	543		548		"	"	"	same	
10	mo. 50 00		"	600		600		"	"	"	worse	worse
11	" 40 00		"	400		400		"	"	"	same	
16	" 120 00		"	1,440		1,440		"	"	"		same
10	day 1 40		"	438		438		"	"	"		
10	" 1 80		"	563		563		"	"	"		
10	" 2 00		"	626		626		neither	neither	no	same	same
10	" 2 00		"	626		626		"	"	"		
10	" 1 63		"	501		501		"	"	"		
10	" 1 90		"	595		595		"	"	"		
10	" 2 00		"	626		626		"	"	no		
10	" 1 75		"	548		548		"	"	"		
10	" 2 00		"	626		626		"	"	75		
10	" 2 00		"	626		626		"	"	"		
11	" 1 98	yes*	"	621	75	695	11½	"	"	100	worse	worse
10	" 2 50		"	786		786		"	"	200		same
10	" 2 00		"	626		626		"	"	100		
10	" 1 75	hr. 17½c	"	420		420	10	"	"	200		worse
10	" 1 80	hr. 18c	"	600		600	10	dec. 10%	neither	no		
10	mo. 100 00		"	1,200		1,200		neither	"	yes*	same	same
9½	day 1 75		"	548		548		"	"	no		
10	" 2 25	1½ t.	"	704		704	10	"	increase	yes*		
10	mo. 45 00		"	540		540		neither	"	50		
10	day 1 40	yes*	"	438		438	10	"	"	50		
10	" 1 80		"	563		563		"	"	100	same	same
10	" 1 50		"	429		429		"	"	no	worse	worse
10	" 1 25	hr. 12½c	"	391		391	10	"	"	50	same	same
10	mo. 55 00		"	660		660		"	neither	no	worse	worse
10	day 1 50		"	470		470		"	"	"	same	
10	mo. 35 00		"	420		420		"	"	"		same
10	day 1 75		"	548		548		"	"	"		
10	mo. 25 00		"	35		35		"	"	"		
10	" 25 00		"	420		420		"	"	no		

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
1447	Muskegon	Car repairer	C. & W. M.	Am.	20	s			10	10	2	10		Other business
1448	St. Joseph			Ger.	42	s	5	3	10	10	12			
1454	Muskegon	Painter	"	Swede	28	m			10	10	12			
1455	"	"	"	Am.	28	m		3	10	10	12			
1456	"	"	"	"	35	s			10	10	12			
1457	"	"	"	Dane	29	m		3	10	10	12			
1478	"	Machinist	"	Am.	20	s			10	10	12			
1479	"	"	"	"	19	s			10	10	12			
1480	"	"	"	Eng.	44	s		8	10	10	12			
1481	"	"	"	Am.	21	s			10	10	12			
1482	"	"	"	Ger.	35	s		2	10	10	12			
1483	"	"	"	"	37	s		4	10	10	12			
1484	"	"	"	Am.	31	s		5	10	10	12			
1485	"	"	"	Ger.	26	s		1	10	10	12			
1486	"	"	"	Am.	32	s			10	10	12			
1487	"	"	"	Can.	30	s		1	10	10	12			
1488	Jackson	"	"	Ger.	21	s			9	10	12			
1489	Muskegon	"	"	Am.	27	s			10	10	12			
1490	"	"	"	"	41	s		1	10	10	12			
1491	"	Brass fin'her	"	Eng.	30	s		4	10	10	12			
1492	"	Pat. maker	"	Am.	33	s		3	10	10	12			
1493	"	Cop'rsmith	"	"	26	s			10	10	12			
1494	"	Tinner	"	Can.	41	s		2	10	10	12			
1495	"	Steam fitter	"	Am.	23	s			10	10	12			
1496	Grand Rapids	Mach. help'r	"	"	31	s		2	10	10	12			
1497	Muskegon	Mach. app.	"	"	16	s			10		3			
1508	Grand Rapids	Boiler mak.	"	"	45	s		1	10	10	12		10	
1509	Muskegon	"	"	"	31	s		2	10	10	12			
1510	"	"	"	Ger.	16	s			10	10	2	10		
1511	"	"	"	Am.	27	s		2	10	10	12			
1512	"	"	"	Swede	38	s		6	10	10	12			
1513	"	Pipe maker	"	Can.	48	s			10	10	6	6		
1514	"	B. S. helper	"	Am.	45	s		5	10	10	12			
1515	Grand Rapids	"	"	"	41	s			10	10	11	1		Sickness
1516	Muskegon	Sta. fireman	"	Ger.	51	m		1	12	12	12			
1517	Allegan	Yard master	"	Am.	35	s		1	12	12	9	3		Sickness
1518	St. Joseph	"	"	Irish	43	s			12	12	12	10		
1519	Muskegon	"	"	Am.	44	s			12	12	12			
1520	Holland	"	"	"	32	s			10	10	12			
1521	Muskegon	"	"	"	30	s			10	10	12			
1522	"	"	"	Can.	40	s		2	9	9	12			
1523	Holland	"	"	Am.	32	s		3	12	12	12			
1524	"	"	"	Swede	26	s			10	10	7	5		Sickness
1525	Muskegon	"	"	Ger.	53	m			10	10	12			
1526	Holland	"	"	Am.	31	s		1	10	10	12			
1527	St. Joseph	Switchman	"	"	23	s			12	12	9	3		Lack of work
1528	Holland	"	"	"	27	s			12	12	8	4		
1529	"	"	"	"	21	s			10	10	12			
1530	"	"	"	"	27	s			10	10	12			
1531	"	"	"	"	23	s			10	10	8	4		Sickness
1532	"	"	"	"	25	m			10		12			
1533	Muskegon	"	"	"	26	m			10	10	12			
1534	"	"	"	"	33	m		2	10	10	12			
1535	"	"	"	"	29	s			10	10	5	7		
1536	"	"	"	"	34	s			12	12	12			
1537	Holland	"	"	"	25	m		1	12	12	11	1		Pleasure
1538	Muskegon	"	"	Irish	28	s			18	12	12			
1539	New Buffalo	"	"	"	38	s			10	10	12			
1540	"	"	"	Am.	30	s			11	11	12			
1541	Mpskegon	"	"	"	24	s			11	11	10	2		Sickness
1542	"	"	"	French	26	s			11	11	12	10		
1543	Holland	"	"	Irish	24	s			12	12	10	2		
1544	"	"	"	Am.	26	s			11	11	5	7		
1545	"	"	"	"	32	m			12	12	12			
1546	"	"	"	"	30	s		2	10	11	12			
1547	"	"	"	"	31	s			10	10	10½	1½		Sickness

Railway Employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$35 00.		mo.	\$70		\$70		neither	neither	no	same	-----
10	"	36 00.	hr 11½c	"	432		432	10	"	"	\$75	worse	-----
10	day	1 85.		"	579		579		"	"	no	same	same
10	"	2 25.		"	704		704		"	"	"	"	"
10	"	2 50.		"	783		783		"	"	"	"	"
10	"	2 35.		"	736		736		"	"	"	"	"
10	"	1 50.		"	470		470		"	"	"	"	"
10	"	1 50.		"	470		470		"	"	"	"	"
10	"	2 00.		"	626		626		"	"	"	same	better
10	"	1 50.		"	469		469		"	"	"	same	same
10	"	2 50.		"	783		783		"	"	"	"	"
10	"	2 00.		"	626		626		"	"	"	"	"
10	"	2 50.		"	782		782		"	"	yes*	"	"
10	"	2 50.		"	783		783		"	"	"	same	"
10	mo.	65 00.		"	780		780		"	"	"	"	"
10	"	65 00.		"	780		780		"	"	"	"	"
9½	day	2 50.		"	456		456	10	inc. \$1 day	inc. \$2 day	"	better	worse
10	"	2 50.		"	783		783		neither	neither	"	same	same
10	"	1 50.		"	470		470		"	"	"	"	"
10	"	2 50.		"	783		783		"	"	yes*	"	"
10	"	2 75.		"	861		861		"	"	yes*	"	"
10	"	2 50.		"	783		783		"	"	no	"	same
10	"	2 75.		"	861		861		"	"	yes*	"	"
10	"	2 25.		"	704		704		"	"	no	worse	"
10	"	1 15.	yes*	"	360		360	10½	"	"	yes*	150	same
10	"	90.		"	43		43	10	"	"	no	same	worse
10	"	2 25.	hr 22½c	"	682		682		"	"	no	"	same
10	"	2 75.		"	861		861		"	"	yes*	"	same
10	"	1 00.		"	52		52		"	"	no	"	"
10	"	2 75.		"	861		861		"	"	yes*	"	same
10	"	2 75.		"	861		861		"	"	no	"	"
10	"	1 25.		"	195		195		"	"	"	"	"
10	"	1 75.		"	547		547		"	"	no	same	same
10	"	1 50.		"	429		429		"	"	"	worse	worse
12	"	1 50.		"	469		469		"	"	"	same	same
12	mo.	35 00.		"	315		315		"	"	no	worse	"
12	"	60 00.		"	700		700		"	"	"	"	"
12	"	60 00.		"	720		720		"	"	"	same	same
10	"	80 00.		"	960		960		"	"	300	better	"
10	"	50 00.		"	600		600		"	"	no	same	"
9	"	80 00.		"	960		960		"	"	yes*	"	"
12	"	80 00.		"	960		960		"	"	no	"	worse
10	"	80 00.		"	580		580		"	inc. \$15 mo	no	better	"
10	day	2 00.		"	626		626		"	neither	no	same	"
12	mo.	80 00.		"	960		960		"	inc. \$15 mo	100	"	same
12	"	50 00.		"	450		450		"	neither	no	worse	"
12	"	60 00.		"	480		480		"	increase	"	same	same
10	"	60 00.		"	720		720		"	inc. \$10 mo	"	"	"
10	"	60 00.		"	480		480		"	" 10 "	"	"	worse
10	"	60 00.		"	720		720		"	" 10 "	"	"	same
10	"	50 00.		"	600		600		"	" 15 "	"	"	"
10	day	2 20.		"	688		688		"	neither	yes*	same	"
10	mo.	65 00.		"	325		325		"	"	no	"	same
12	"	65 00.	yes*	"	780		780		"	"	"	better	better
12	"	70 00.		"	770		770		"	"	"	"	"
15	day	2 25.		"	704	\$118	817	10	"	inc. \$20 mo	no	same	"
10	mo.	55 00.		"	680		680	10	"	neither	yes*	worse	same
11	"	55 00.		"	680		680		"	"	100	"	worse
11	day	2 12.	hr 21c	"	551	55	606	10	"	inc. \$10 mo	no	"	"
12	"	2 12.		"	642	64	706	10	"	"	150	"	"
12	mo.	75 00.		"	750		750		"	increase	no	same	better
11	day	2 30.		"	286		286		"	neither	yes*	"	same
12	mo.	75 00.		"	900		900		"	"	"	"	"
10½	day	2 65.	hr 23½c	"	829		829	10	"	"	100	better	"
10	mo.	65 00.		"	682		682		inc. \$5 mo	inc. \$5 mo	no	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
1552	Grand Rapids.	Switchman	C. & W. M.	Am.	26	m	2	1	10	10	12				
1553	"	"	"	"	33	s		10	10	10	9	3			Lack of work
1554	"	"	"	"	22	s		10	10	10	12				
1555	"	"	"	"	17	s		10	10	10	12				
1556	Holland	"	"	Swede.	23	s		12	12	12	11	1			Sickness
1557	Interlochen	Targetman	"	Eng.	25	s		12	14	14	12				
1558	Grand Rapids	Gatekeeper	"	Irish	55	w	1	12	12	12	12				
1559	Muskegon	Flagman	"	"	68	m		2	14	14	12				
1560	"	"	"	"	52	s		2	12	12	12				
1561	"	"	"	"	45	s		14	14	14	12				
1562	Fennville	"	"	Eng.	72	m		4	15	15	12				
1563	Holland	"	"	Hol.	50	s		2	12	12	12				
1564	Grand Rapids	"	"	Am.	38	s		1	11	11	12				
1565	Holland	"	"	Hol.	50	s		2	12	12	12				
1566	"	"	"	Am.	51	s		3	14	14	12				
1567	Grand Rapids	"	"	Irish	67	s		12	12	12	12				
1568	Holland	Car inspec.	"	Hol.	32	s		12	12	12	12				
1569	"	"	"	Eng.	45	s	1	4	12	12	12				
1570	Allegan	"	"	Am.	18	s		12	12	12	12				
1571	"	"	"	"	31	m	2	1	10	10	12				
1572	Muskegon	"	"	Irish	52	s	2	1	10	10	12				
1573	Grand Rapids	Wiper	"	Can.	21	s	2	1	10	10	12				
1574	White Cloud	"	"	Am.	21	s		10	10	10	12				
1575	Holland	"	"	"	20	s		10	10	10	12				
1576	Grand Rapids	"	"	"	22	s		12	12	12	12				
1577	"	"	"	"	24	s	3	1	12	12	12				
1578	"	"	"	"	17	s					12				
1579	Holland	"	"	"	23	s		12	12	12	12				
1580	"	"	"	"	19	s		12	12	12	12				
1581	"	"	"	"	21	s		12	12	10		2			Lack of work
1582	"	"	"	"	20	s		12	12	7		5			Sickness
1583	"	Hostler	"	"	24	m	2	1	12	12	12				
1584	New Buffalo	"	"	"	24	s		10	10	12					
1585	Muskegon	Sealer	"	Hol.	31	m	2	5	10	10	11	20			
1586	Grand Rapids	"	"	Am.	29	s	2	1	10	10	12				
1587	Muskegon	Watchman	"	"	40	s		10	10	10	2	10			Other work
1588	"	"	"	Swede.	45	m	2	3	10	10	12				
1589	"	"	"	"	25	s		14	14	12					
1590	Holland	"	"	Am.	17	s		12	12	8		4			Lack of work
1591	Grand Rapids	"	"	Irish	67	s		12	12	12					
1592	Muskegon	"	"	Dane	53	m	2	2	10	10	12				
1593	St. Joseph	"	"	Irish	65	s	3	12	12	11		1			Sickness
1594	Grand Rapids	Yardman	"	Can.	31	s					12				
1595	"	Laborer	"	Hol.	44	m	2	3	10	10	12				
1596	"	"	"	"	32	s		10	10	12					
1597	Holland	"	"	Am.	25	m	2	1	12	12	12				
1598	Muskegon	"	"	Dane	42	s	2	5	10	10	12				
1599	"	"	"	Swede.	4	s	2	10	10	10	12				
1600	New Buffalo	"	"	Ger.	50	s		6	10	10	12				
1601	Holland	"	"	Hol.	25	s		1	12	12	12				
1602	"	"	"	Am.	25	s	2	1	12	12	12				
1603	Waverly	"	"	"	26	s		12	12	12					
1604	Holland	"	"	"	21	s		12	12	12					
1605	"	"	"	Ger.	25	m	2	1	12	12	12				
1606	"	"	"	Am.	25	s		12	12	12					
1607	Grand Rapids	"	"	"	31	w		2	10	10	12				
1608	Holton	Trackman	"	Dane	40	m	2	3	10	10	12				
1609	St. Joseph	"	"	Am.	40	s		10	10	10	12				
1610	"	Sectionman	"	Ger.	43	m	2	5	10	10	12				
1611	Waverly	Trackman	"	Hol.	32	w	2	3	10	10	12				
1612	Muskegon	"	"	Irish	40	m	2	2	10	10	12				
1613	Bangor	"	"	"	40	s	3	2	8	10	6				
1614	Muskegon	"	"	Hol.	20	s		10	10	12					
1615	"	"	"	"	85	s		10	10	12					
1616	N. Richmond	"	"	Am.	37	m	2	4	10	10	11	1	10		Lack of work
1617	Mears	"	"	Dane	54	s	3	10	10	10		2			"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
10	day	\$2 12	yes*	mo.	\$663	---	\$663	10½	neither	neither	yes*	worse	worse
10	"	2 12	"	"	496	---	496	---	"	"	\$150	"	"
10	"	2 12	"	"	664	\$50	714	10½	"	"	300	"	"
10	"	2 10	"	"	657	70	727	10½	"	"	no	better	better
12	mo.	60 00	---	"	660	---	660	---	"	"	200	same	same
13	"	35 00	---	"	420	---	420	---	"	"	no	worse	---
12	day	1 00	---	"	313	---	313	---	"	dec. 25c day	"	---	---
14	mo.	80 00	---	"	860	---	860	---	"	neither	"	same	same
14	"	30 00	---	"	360	---	360	---	dec. \$10	neither	no	---	---
15	"	30 00	---	"	360	---	360	---	"	"	"	better	better
14	"	30 00	---	"	360	---	360	---	"	"	"	---	---
12	"	30 00	---	"	360	---	360	---	"	"	no	worse	worse
11	"	30 00	---	"	313	---	313	---	"	"	"	---	---
12	"	30 00	---	"	360	---	360	---	"	"	"	---	---
14	"	35 00	---	"	420	---	420	---	inc. \$5 mo.	inc. \$5 mo.	"	---	---
12	"	35 00	---	"	420	---	420	---	neither	"	"	---	---
12	"	40 00	---	"	480	---	480	---	"	"	"	better	---
12	"	40 00	---	"	480	---	480	---	"	"	"	---	---
10	day	1 15	---	"	360	---	360	12	"	inc. \$5 mo.	150	same	same
10	mo.	55 00	---	"	660	---	660	---	inc. \$10	dec. \$17	100	---	---
10	"	60 00	---	"	720	---	720	---	neither	neither	no	---	---
10	day	1 15	---	"	360	---	360	---	"	"	50	worse	---
10	"	1 15	---	"	360	---	360	---	"	"	50	better	same
12	"	1 25	---	"	391	---	391	---	"	"	50	worse	worse
12	"	1 15	yes*	"	360	10	370	12½	"	neither	no	---	---
12	"	1 15	"	"	360	---	360	12½	"	"	"	---	---
12	"	1 15	"	"	360	---	360	12½	"	"	"	---	---
12	"	1 25	---	"	391	---	391	---	"	"	50	same	same
12	"	1 25	---	"	391	---	391	---	"	"	100	---	---
12	"	1 25	---	"	325	---	325	---	"	"	no	---	---
12	mo.	35 00	---	"	245	---	245	---	"	"	"	worse	---
12	"	45 00	---	"	540	---	540	---	"	"	"	same	---
10	day	1 15	---	"	360	---	360	10	"	neither	"	same	---
10	"	1 15	---	"	337	---	337	---	"	"	"	---	---
10	"	1 25	yes*	"	391	35	425	10½	"	neither	150	worse	worse
10	"	1 15	---	"	59	---	59	---	"	"	no	same	same
14	mo.	35 00	---	"	420	---	420	---	"	"	no	---	---
12	day	1 25	---	"	260	---	260	---	"	"	25	worse	same
12	"	1 00	---	"	313	---	313	---	"	"	no	same	same
10	"	1 00	---	"	313	---	313	---	"	"	"	worse	worse
12	mo.	40 00	---	"	440	---	440	---	"	"	"	same	same
15	day	2 00	---	"	625	---	625	---	"	"	200	---	---
10	"	1 25	yes*	"	391	---	391	10½	"	"	40	same	---
10	"	1 25	---	"	391	---	391	10½	"	"	100	worse	worse
12	"	1 25	---	"	391	---	391	---	"	"	100	same	same
10	mo.	35 00	---	"	420	---	420	---	"	"	---	---	---
10	"	35 00	---	"	420	---	420	---	"	"	no	same	same
12	day	1 25	---	"	391	---	391	---	"	inc. 15c day	50	better	better
12	"	1 25	---	"	360	---	360	---	"	neither	"	same	same
12	mo.	45 00	---	"	540	---	540	---	"	"	---	---	---
12	day	1 25	---	"	391	---	391	12	"	inc. 25c day	---	better	---
12	"	1 25	---	"	391	---	391	---	"	neither	no	---	---
12	"	1 25	---	"	391	---	391	---	inc. 15c day	neither	30	same	better
10	mo.	40 00	---	"	480	---	480	---	"	"	no	worse	worse
10	"	40 00	---	"	480	---	480	---	"	"	no	---	---
10	"	40 00	---	"	480	---	480	---	"	"	150	same	same
10	day	1 25	---	"	391	---	391	---	"	"	no	---	---
9	"	1 15	---	"	180	---	180	---	"	neither	"	---	same
10	"	1 15	---	"	360	---	360	---	"	"	"	---	---
10	"	1 15	---	"	360	---	360	---	"	"	"	---	---
10	"	1 15	---	"	317	---	317	---	"	inc. 5c day	"	---	---
10	"	1 15	---	"	299	---	299	---	"	neither	"	---	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
1618	Zeeland	Trackman ..	C. & W. M.	Am.	21	s	---	10	10	2	10	---	---	---	Sick & lack w.
1619	Holland	"	"	Irish	21	m	2	---	10	10	10	2	---	---	---
1620	"	"	"	Am.	20	s	---	10	10	10	---	---	---	---	---
1621	"	"	"	Dutch	44	m	2	4	10	10	11	1	---	---	---
1622	"	"	"	Ger.	31	m	---	2	10	10	6	---	---	---	---
1623	St. Joseph	"	"	"	32	"	---	12	12	12	---	---	---	---	---
1624	"	"	"	"	25	"	---	2	10	10	10	2	---	---	Vacation
1640	New Richmond ..	sectionman	"	Swede	27	"	---	1	10	10	10	2	---	---	Other work
1641	Alden	"	"	Am.	25	w	1	1	10	10	11	1	---	---	Sickness
1642	Riverside	"	"	"	30	m	---	3	10	10	12	---	---	---	---
1643	Grand Haven ..	"	"	Irish	38	"	---	3	10	10	12	---	---	---	---
1644	Muskegon	"	"	Am.	29	"	---	2	10	10	12	---	---	---	---
1645	Allegan	"	"	"	38	"	---	2	10	10	12	---	---	---	---
1646	Bangor	"	"	"	38	"	---	4	8	12	12	---	---	---	---
1647	Grand Rapids ..	"	"	Hol.	40	"	---	1	10	10	12	---	---	---	---
1648	Holland	"	"	Ger.	52	"	3	1	10	10	12	---	---	---	---
1649	"	"	"	Am.	48	"	2	1	10	10	12	---	---	---	---
1650	"	"	"	Ger.	54	"	---	3	10	10	12	---	---	---	---
1651	"	"	"	Dutch	25	"	2	5	10	10	12	---	---	---	---
1652	Stevensville ..	"	"	Ger.	31	w	1	2	10	10	12	---	---	---	---
1653	Grand Rapids ..	"	"	Hol.	37	m	---	5	10	10	10	2	---	---	Lack of work.
1654	"	"	"	"	28	"	---	2	10	10	12	---	---	---	---
1655	"	"	"	"	36	"	2	---	10	10	10	2	---	---	Lack of work
1656	"	"	"	Am.	27	s	---	---	10	10	12	---	---	---	---
1657	Muskegon	"	"	Ger.	50	m	3	6	10	10	12	---	---	---	---
1658	"	"	"	Swede	60	"	2	2	10	10	12	---	---	---	---
1659	"	"	"	Am.	23	s	---	---	10	10	5	---	---	---	---
1660	"	"	"	Dane	45	m	2	2	10	10	8	---	---	---	---
1661	"	"	"	Am.	26	s	---	---	10	10	12	---	---	---	---
1662	"	"	"	Dane	28	m	2	2	10	10	12	---	---	---	---
1663	"	"	"	"	21	s	---	---	10	10	12	---	---	---	---
1664	"	"	"	Irish	45	"	---	---	10	10	12	---	---	---	---
1665	"	"	"	Am.	35	"	---	---	10	10	12	---	---	---	---
1706	"	Car cleaner	"	Ger.	47	m	2	2	12	12	12	---	---	---	---
1707	"	"	"	"	58	w	1	5	10	10	12	---	---	---	---
1708	Grand Rapids ..	"	"	Hol.	45	m	2	3	10	10	12	---	---	---	---
1709	"	"	"	Am.	46	s	---	---	10	10	9	3	---	---	Lack of work
1710	"	"	"	Ger.	28	m	2	---	10	10	12	---	---	---	---
1711	"	"	"	Am.	25	"	2	1	10	10	12	---	---	---	---
1712	"	"	"	"	45	"	2	2	10	10	8	4	---	---	Lack of work
1713	Allegan	"	"	Eng.	48	"	3	1	10	10	11	1	---	---	Sickness
1714	Muskegon	"	"	Am.	16	s	---	---	10	10	8	---	---	---	---
1715	"	"	"	"	18	"	---	---	10	10	12	---	---	---	---
1716	Grand Rapids ..	"	"	Ger.	24	"	---	---	10	10	10	2	---	---	Lack of work
1717	"	"	"	Irish	46	"	---	---	---	---	10	2	---	---	Sickness
1718	"	"	"	Am.	25	m	2	1	---	---	12	10	---	---	---
1719	"	"	"	Hol.	19	s	---	---	10	10	12	10	---	---	"
1720	"	"	"	Ger.	24	"	---	---	10	10	12	---	---	---	---
1721	Muskegon	Helper	"	Hol.	18	"	---	---	10	10	1	11	---	---	---
1722	Grand Rapids ..	Warehouse m.	"	Am.	55	"	---	---	10	10	12	---	---	---	---
1723	Benton Harbor ..	"	"	Swede	32	"	---	---	10	10	12	---	---	---	---
1724	Allegan	"	"	Am.	39	m	2	1	11	11	12	---	---	---	---
1725	St. Joseph	"	"	"	26	"	---	---	10	10	12	---	---	---	---
1726	Grand Haven ..	Frt.house m.	"	"	43	"	2	4	10	10	12	---	---	---	---
1727	Holland	"	"	"	27	"	2	---	10	10	12	---	---	---	---
1728	"	"	"	Hol.	35	"	2	3	10	10	12	---	---	---	---
1729	"	"	"	Am.	20	s	---	---	10	10	12	---	---	---	---
1730	"	"	"	"	19	"	---	---	10	10	12	---	---	---	---
1731	St. Joseph	Frt. handler	"	"	23	m	4	1	10	10	9	3	---	---	Lack of work
1732	Muskegon	Trucker	"	Hol.	49	w	1	5	11	11	11	1	---	---	Sickness
1733	"	"	"	Am.	26	s	2	---	10	10	3	9	---	---	Vacation
1734	"	"	"	Hol.	33	m	---	2	10	10	12	---	---	---	---
1735	Grand Rapids ..	"	"	"	24	s	---	---	10	10	7	5	---	---	Other work
1736	"	"	"	Am.	25	"	---	---	10	10	12	---	---	---	---
1737	"	"	"	"	56	m	2	1	10	10	11	1	---	---	Lack of work
1738	"	"	"	---	48	"	2	1	10	10	10	2	---	---	Lay off

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	da.	\$1 15		mo.	\$60		\$60	10	neither		no	same	same
10	mo.	40 00		"	400		400	10	dec. 8%	decrease	no	worse	worse
10	da.	1 15		"	2		2	10	neither		no	same	same
10	"	1 15		"	329		329	10	"	"	no	same	same
10	"	1 25		"	195		195	10	"	"	no	"	"
12	"	1 15	11 1/2 c h.	"	425		425	12	"	"	\$50	worse	worse
10	"	1 15	11 1/2 c h.	"	345		345	10	"	"	no	"	"
10	mo.	40 00		"	400		400		"	"	100	same	same
10	"	40 00		"	440		440		"	"	no	better	better
10	"	40 00		"	480		480		"	"	no	better	better
10	"	40 00		"	480		480		"	"	"	same	same
10	"	50 00		"	600		600		"	"	"	"	"
10	"	45 00		"	540		540		"	inc. \$5 mo.	175	better	same
10	"	40 00		"	480		480		"	neither	200	"	better
10	"	50 00		"	600		600		"	"	no	worse	worse
10	"	50 00		"	600		600		"	"	\$80	same	same
10	"	45 00		"	540		540		inc. \$5 mo.	inc. \$5 mo.	150	better	same
10	"	45 00		"	540		540		neither	neither	no	"	"
10	"	40 00		"	480		480		"	"	150	same	"
10	da.	1 25	yes*	"	325		325	10 1/4	"	"	no	worse	worse
10	"	1 25	"	"	391		391	10 1/4	"	"	"	"	"
10	"	1 25	"	"	825		825	10 1/4	"	"	"	"	worse
10	"	1 25	"	"	391		391	10 1/4	"	"	160	better	better
10	"	1 15		"	360		360		"	"	no	same	same
10	"	1 15		"	360		360		"	"	yes*	"	same
10	"	1 15		"	150		150		"	"	no	"	"
10	"	1 15		"	239		239		"	"	no	same	"
10	"	1 15		"	360		360		"	"	"	"	same
10	"	1 15		"	360		360		"	"	"	"	"
10	mo.	45 00		"	540		540		"	"	"	"	"
10	da.	1 15		"	360		360		"	"	"	"	"
10	"	1 15		"	360		360		"	"	"	"	"
10	"	1 25		"	391		391		"	"	no	"	"
10	"	1 25		"	391		391		"	"	"	same	same
10	"	1 20	yes*	"	376	\$40	416	10 1/4	"	dec. 5c day	"	"	"
10	"	1 20	"	"	281		281	10 1/4	"	neither	"	worse	worse
10	"	1 20	"	"	376	80	456	10 1/4	"	"	"	"	"
10	"	1 20	"	"	376	75	451	10 1/4	"	"	"	same	"
10	"	1 20	"	"	250	50	300	10 1/4	"	"	"	worse	"
10	"	1 15		"	329	5	334	10	"	"	150	same	better
10	"	1 00		"	78		78		"	"	no	"	"
10	"	1 00		"	313		313		"	"	"	"	"
10	"	1 25		"	325		325		"	"	"	"	worse
10	mo.	45 00		"	450		450		"	"	300	"	"
10	da.	1 20		"	364		364		"	"	no	worse	"
10	"	1 20		"	364		364		"	"	no	"	"
10	"	1 25	yes*	"	391	40	431	10 1/4	"	"	no	"	"
10	"	1 00		"	26		26		"	"	no	same	"
10	mo.	50 00		"	600		600		"	"	yes*	worse	worse
10	da.	1 25		"	400		400		"	"	200	"	"
10	mo.	25 00		"	420		420		"	dec. 3%	no	"	same
10	"	25 00		"	420		420		"	neither	200	"	"
10	"	20 00		"	360		360		"	"	no	"	worse
10	"	40 00		"	480		480		"	inc. \$10 mo.	no	better	same
10	"	30 00		"	360		360		"	neither	no	"	"
10	"	30 00		"	360		360		"	"	no	"	"
10	"	35 00		"	420		420		inc. \$5 mo.	"	300	worse	worse
10	"	30 00		"	315		315		neither	"	no	"	"
11	da.	1 30		"	371		371	10	"	"	no	same	"
10	"	1 15	11 1/2 c h.	"	89		89	10	"	"	25	"	"
10	"	1 15	yes*	"	359		359	10	"	"	no	"	"
10	"	1 25		"	227		227	10 1/4	"	"	80	"	"
10	"	1 25		"	391	35	426	10 1/4	"	neither	150	worse	worse
10	"	1 25		"	357		357	10 1/4	"	"	100	"	"
10	"	1 25		"	335		335	10 1/4	"	"	160	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No in family.		Hours per day.		Months worked.			Lost time.	Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.			
1739	Muskegon	Laborer	C. & W. M.	Can.	39	m	2	3	10	10	12				
1740	"	"	"	Ger.	28	"	2	2	10	10	12				
1741	"	"	"	Dane	40	s			10	10	12				
1742	Grand Rapids	"	"	Am.	20	"			10	10	4	8			
1743	Muskegon	"	"	Norw.	37	m	2	5	10	10	12				
1744	"	"	"	Ger.	32	"			10	10	12				
1745	"	"	"	"	29	"		2	10	10	12				
1746	"	"	"	"	54	s			10	10	12				
1747	"	"	"	Am.	30	m		2	10	10	6	6		Other busin'a.	
1748	New Buffalo	Lampel'ner	"	Am.	46	"		4	10	10	12				
1749	Muskegon	Helper	"	"	29	"		1	10	10	12				
1770	Grand Rapids	Round h. m.	"	"	42	"		2	10	10	8	4		Sickness	
1771	Muskegon	"	"	"	26	"			10	10	12				
1772	Holland	Bridge f'm'n	"	"	40	"			10	10	12				
1773	New Richm'nd	Watcher	"	"	58	"			12	12	12			Sickness	
1774	Newaygo	"	"	Irish	65	"		8	11	11	12				
1775	St. Joseph	Pumper	"	Am.	52	"		2	10	10	12				
1776	Pontwater	"	"	"	21	s			10	10	12				
1777	Holland	"	"	"	27	m	2	1	12	12	8	4			
1778	"	Gen. forem'n	"	"	54	"	3		12	12	12				
1779	White Cloud	"	"	Irish	47	"	2	1	14	14	12				
1780	Grand Rapids	N't forem'n	"	Am.	25	"	2	1	10	10	12				
1781	Muskegon	Freight sol'r	"	"	48	"	2	1	10	10	12				
1782	Grand Rapids	Collector	"	"	19	s			10	10	12				
1784	Alpena	Conductor	D. B. C. & A.	"	28	m	2	2	12	12	12				
1785	Black River	"	"	"	32	"	2	1	16	12	11	1		Lack of work	
1786	"	"	"	"	36	"	2	2	16	12	10	2		"	
1787	"	"	"	French	29	"	2	3	16	12	12				
1788	"	"	"	Am.	42	"	3	3	14	12	12				
1789	Alpena	"	"	"	34	"	2	2	18	14	12				
1811	"	Engineer	"	"	23	"	2	2	12	12	11	1		Lack of work	
1812	Tawas City	"	"	"	35	"	3	4	12	12	10	2		"	
1813	"	"	"	"	40	s			12	12	12				
1814	"	"	"	"	38	m	2	1	12	12	12				
1815	Black River	"	"	"	28	"	2	2	12	12	12				
1816	Tawas City	"	"	"	43	"	2	2	12	12	12				
1817	"	"	"	"	23	"	2	2	12	12	6	6		Lack of work	
1818	"	"	"	"	43	"	2	4	14	12	10	2		"	
1819	Black River	"	"	Irish	47	"	2	2	16	12	12				
1820	"	Fireman	"	Scotch	23	s			16	12	12				
1821	"	"	"	Irish	23	"			16	12	12				
1822	East Tawas	"	"	Am.	27	m	2		12	12	6	6		Lack of work	
1823	Black River	"	"	"	32	"	2	1	12	12	12				
1824	"	"	"	"	24	"	2	2	12	12	12				
1825	"	"	"	"	20	s			12	12	12				
1826	"	"	"	"	26	"			12	12	12				
1827	Alpena	"	"	"	27	m	2		12	12	9	8		Lack of work	
1828	East Tawas	"	"	"	24	s			12	12	5	7		"	
1864	Tawas City	Brakeman	"	"	28	"			12	12	3	9		Sickness	
1865	"	"	"	"	26	"			12	12	12				
1866	"	"	"	"	31	m	2		12	12	12				
1867	"	"	"	"	20	s			12	12	7	5		Lack of work	
1868	"	"	"	"	24	"			12	12	5	7		"	
1869	East Tawas	"	"	"	33	"	2	1	12	16	11	1		Sickness	
1870	Black River	"	"	"	26	s			12	12	12				
1871	"	"	"	"	28	"			12	12	12				
1872	Alpena	"	"	French	26	m	2	1	14	14	11	1		Lack of work	
1873	Black River	"	"	Am.	27	s			12	12	12				
1874	"	"	"	"	22	"			12	12	8	4		Lack of work	
1875	Alpena	"	"	"	30	"			12	12	12				
1876	Black River	"	"	"	21	"			12	12	4	8		Lack of work	
1877	"	"	"	Can.	28	"			16	12	12				
1878	"	"	"	"	31	"			16	12	9	3		Lack of work	
1879	"	"	"	"	23	"			16	12	9	3		"	
1880	"	"	"	Am.	31	"			16	12	8	4		Sickness	

* 1 1/4 days.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
10	day	\$1 40		mo.	\$438		\$438		neither	neither	no	same	
10	mo.	40 00		"	480		480		"	"	"	"	same
10	"	35 00		"	420		420		"	"	"	"	"
10	day	1 20		"	124		124		"	"	no		
10	"	1 50		"	469		469		"	"			
10	"	1 25		"	391		391		"	"			
10	"	1 25		"	391		391		"	"			
10	"	1 25		"	391		391		"	"			
10	"	1 25		"	195		195		neither	neither	no	same	
10	"	1 15	hr 11½c	"	359	\$30	389		"	"	"	"	worse
10	"	2 12		"	663		663		"	"	no	"	
12	mo.	90 00		"	720		720		"	"	yes*	worse	worse
12	"	60 00		"	720		720		"	"	yes*	same	
12	day	2 75		"	860		860		"	dec. 25c day	\$350	better	same
12	"	1 08		"	311		311		"	neither	yes*	worse	worse
11	"	1 00	yes*	"	313	6	319	11	"	inc. \$5 mo.	50	same	better
10	mo.	30 00		"	360		360		"	dec. 5 "	no	worse	worse
10	"	30 00		"	360		360		"	neither	"	same	
12	"	30 00		"	240		240	12	neither	"	"	better	same
12	"	75 00		"	900		900		"	"	500	same	"
14	"	50 00		"	600		600		"	"	140	"	"
10	"	70 00	yes*	"	840		840	10½	"	"	no	better	better
10	"	65 00		"	780		780		"	"	100	same	same
10	"	30 00		"	360		360		"	"	no	"	"
12	"	70 00		"	840		840		"	"	"	worse	worse
14	"	70 00		"	770		770		"	"	"	"	"
14	"	70 00		"	700		700		"	"	"	"	"
14	"	70 00		"	840		840		"	"	"	"	"
13	"	70 00		"	840		840		"	"	"	"	"
16	"	70 00		"	840		840		"	"	100	"	"
12	day	3 50		"	1,001	83	1,084	14	"	"	400	same	same
12	"	3 50		"	910		910	14	"	neither	250	worse	worse
12	"	3 50		"	1,095	183	1,278	14	"	"	200	"	"
12	"	3 50		"	1,095		1,095		"	"	no	"	same
12	"	3 50		"	1,095	183	1,278	14	"	"	25	same	"
12	"	3 50		"	1,095		1,095	14	"	"	yes*	worse	worse
12	"	3 50		"	596	38	634	13½	neither	"	no	"	"
13	"	3 50		"	910	49	953	14	"	"	"	"	"
14	"	3 50		"	1,095	182	1,277	14	"	"	150	"	"
14	"	2 00		"	626	118	744	14	"	"	100	"	"
14	"	2 00		"	626	98	719	14	"	"	100	"	"
12	"	2 00		"	813	26	389	14	"	"	100	same	same
12	"	2 00		"	626		626	14	"	"	180	better	better
12	"	2 00		"	626		626	14	"	"	no	worse	worse
12	"	2 00		"	626		626	14	"	"	"	same	same
12	"	2 00		"	626		626	14	"	"	"	"	"
12	"	2 00		"	468	78	546	14	"	"	"	same	worse
12	"	2 00		"	260		260	14	"	"	50	worse	"
12	mo.	50 00		"	150		150		"	"	no	better	better
12	"	50 00		"	600		600		"	"	100	same	worse
12	"	50 00		"	600		600		"	"	50	"	"
12	"	50 00		"	350		350		"	"	no	worse	"
12	"	50 00		"	250		250		"	"	"	same	"
14	"	50 00		"	550		550		neither	inc. \$5 mo.	"	"	"
12	"	50 00		"	600		600	14	"	neither	50	better	same
12	"	50 00		"	600		600		"	"	no	"	"
14	"	50 00		"	550		550		"	"	"	worse	worse
12	"	50 00		"	600		600		"	"	"	same	"
12	"	50 00		"	400		400		"	"	"	better	same
12	"	50 00		"	600		600		"	"	"	"	better
12	"	50 00		"	200		200		"	"	"	worse	worse
14	"	47 50		"	570		570		dec. \$2.50 mo.	decrease	"	"	"
14	"	47 50		"	427		427		inc. 2.50 "	dec. \$2.50 mo.	"	"	"
14	"	47 50		"	427		427		" 2.50 "	" 2.50 "	"	"	"
14	"	47 50		mo.	380		380		" 2.50 "	" 2.50 "	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
1881	Tawas City	Brakeman	D. B. C. & A.	Am.	24	m	2	16	12	12				
1882	An Sable	Agent	"	"	29	"	2	2 14	10	7		5		Sickness
1883	Tawas City	"	"	"	54	"	2	16	12	12				
1884	W. Harrisville	"	"	"	43	w	1	10	11	12			10	Funeral
1885	Tawas City	"	"	"	52	m	2	16	12	12				
1886	W. Harrisville	"	"	"	43	w	1	12 1/2	12 1/2	12			10	Death of par't
1887	Tawas City	"	"	"	21	s		12	12	8		4		Lack of work
1888	East Tawas	Train disp.	"	"	30	m	2	2 14	14	12				
1889	New Lake Jun.	"	"	"	25	s		12	10	12				
1890	Mud Lake Jun.	"	"	"	31	s		12	12	12				
1892	Tawas City	For. car shop	"	Am.	41	m	2	10	10	12				
1894	"	Carpenter	"	"	43	"	2	3 10	10	12				
1896	East Tawas	"	"	"	25	"	2	3 10	10	12				
1897	Tawas City	"	"	"	24	s		10	10	11		1		Sickness
1898	"	"	"	Pole	37	m	2	3 10	10	12			10	
1899	Black River	"	"	Am.	32	"	2	1 10	10	11				
1903	Tawas City	Car repairer	"	Ger.	37	"	2	3 10	10	12		1		Lack of work
1904	"	"	"	"	23	"	2	3 10	10	12				
1905	East Tawas	"	"	Can.	38	"	2	4 10	10	8		4		Lack of work
1906	Tawas City	Machinist	"	Am.	48	"	2	10	10	10 1/2		1 1/2		Sickness
1907	East Tawas	"	"	"	38	"	2	3 10	10	12				
1908	Black River	"	"	"	32	"	2	4		12				
1911	Tawas City	Boilermaker	"	"	33	"	2	1 10	10	12				
1912	"	Blacksmith	"	"	41	"	2	5 10	10	3		9		
1913	"	"	"	Can.	30	"	2	2 10	10	12				
1914	"	"	"	Pole	32	"	2	2 10	10	12				
1915	"	"	"	Am.	24	"	2	10	10	4		8		Sickness
1918	"	Tinner	"	"	29	"	2	1 9	10	12				
1919	Black River	Wiper	"	"	32	"	2	3 12	12	1		11		Lack of work
1920	Tawas City	"	"	Pole	30	"	2	2 13	13	12				
1921	East Tawas	Watchman	"	Am.	23	s		13	13	4		8		Lack of work
1922	Black River	Wiper	"	Pole	28	m	2	13	13	6		6		"
1923	"	Greaser	"	"	26	s		10	10	12				
1924	Tawas City	Yardman	"	Ger.	33	m	2	4 10	10	5		7		Lack of work
1925	"	Watchman	"	"	29	"	2	4 13	13	12				
1926	Ossineke	Sectionman	"	Irish	37	"	2	1 10	10	12				
1927	"	"	"	French	44	"	2	2 10	10	12				
1928	Mud Lake Jun.	"	"	Am.	21	s		10	10	10		2		Lack of work
1929	Tawas City	"	"	Pole	29	m	2	1 10	10	12				
1930	Rose City	"	"	"	28	s		10	10	12				
1931	"	"	"	"	33	"		10	10	12				
1932	"	"	"	"	24	"		10	10	12				
1933	Mud Lake Jun.	"	"	"	23	m	2	10	10	10		2		Lack of work
1934	Tawas City	"	"	Can.	45	"	3	2 10	10	10		2		"
1935	"	Trackman	"	Ger.	21	s		10	10	4		8		"
1936	"	"	"	"	17	"		12	12	1		11		"
1937	"	"	"	"	19	"		10	10	4		8		"
1893	Alpena	Sectionman	"	Am.	20	"		10	10	11		1		"
1939	Black River	"	"	French	47	m	2	2 10	10	12				
1940	Tawas City	Trackman	"	Ger.	21	s		10	10	4		8		Lack of work
1941	"	"	"	Can.	30	"		10	10	12				
1942	East Tawas	"	"	"	34	"		10	10	12				
1943	Tawas City	"	"	Pole	45	m	2	3 10	10	12				
1944	East Tawas	"	"	French	41	"	2	2 10	10	5		7		Lack of work
1945	Tawas City	"	"	Irish	43	"	2	2 10	10	12				
1946	"	"	"	Pole	37	"	2	4 10	10	12				
1947	"	Roadmaster	"	Am.	33	"	2	3		12				
1948	"	Sectionman	"	"	28	"	2	10	10	1		11		
1949	"	"	"	"	24	"	2	2 10	10	1				
1950	"	"	"	Pole	21	s		2 10	10	12				
1951	"	"	"	"	27	m	2	2 10	10	9		3		Lack of work
1952	"	"	"	"	41	"	2	4 10	10	8		4		"
1953	W. Harrisville	"	"	French	33	w	1	2 10	10	11		1		Laid off
1954	Ossineke	"	"	"	37	s		10	10	12				
1955	East Tawas	Laborer	"	Am.	31	m	2	10	10	12				
1956	Owosso	"	"	Irish	50	s								

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per.				Regular time.	Overtime.	Total.						
14	mo.	\$50 00		mo.	\$600		\$600		neither	neither	no	worse	worse
12	"	83 33		"	583		583		dec. \$26.87 mo.	dec. 25%	"	"	"
14	"	55 00		"	660		660		neither	dec. \$10 mo.	"	same	"
14	"	40 00		"	465		465		dec. \$5 mo.	" 5 "	"	"	same
12	"	60 00		"	720		720		" 5 "	inc. 5 "	\$200	worse	worse
12	"	40 00		"	465		465		dec. \$10 mo.	dec. 10 "	no	same	same
14	"	100 00		"	1,200		1,200		neither	neither	no	same	same
11	"	75 00		"	900		900		"	"	600	worse	"
12	"	40 00		"	480		480		"	inc. \$8 mo.	100	same	"
10	day	2 00		mo.	626	38	659	10	neither	neither	50	"	worse
10	"	2 00		"	626		626	10	"	"	no	"	same
10	"	1 75		"	518		518	10	"	"	"	"	"
10	"	2 00		"	572		572	10	"	"	120	better	"
10	"	2 50		"	783		783	10	"	"	no	same	"
10	"	1 50		"	429		429	10	"	"	100	better	better
10	"	1 50		"	470		470	10	"	"	no	worse	worse
10	"	1 50		"	470		470	10	"	"	"	same	same
10	"	1 50		"	812	63	880	10	"	"	"	"	worse
10	"	1 50		"	409		409	10	"	dec. 25%	no	worse	"
10	"	2 75		"	861		861	10	"	neither	"	---	same
10	mo.	100 00		"	1,200		1,200		"	"	no	same	worse
10	day	2 00		"	626	62	688	10	"	"	yes*	same	same
10	"	2 50		"	195		195	10	"	"	"	worse	worse
10	"	2 50		"	782		782	10	"	"	no	same	same
10	"	2 00		"	626		626	10	"	"	"	same	worse
9	"	3 40		"	250		250	10	"	dec. 30%	"	worse	"
12	"	1 85		"	579		579	10	inc. 10c day	neither	100	same	"
12	"	1 25		"	320		320	11	neither	"	no	same	"
13	"	1 25		"	391		391	13	"	"	"	same	same
13	"	1 50		"	156		156	10	"	"	"	better	better
13	"	1 25		"	195		195	13	"	"	"	worse	worse
10	"	1 50		"	470		470	10	neither	neither	"	"	"
10	"	1 50		"	195		195	10	"	"	"	same	"
13	"	1 25		"	391		391	10	"	neither	"	"	same
10	"	1 25		"	391		391	10	neither	"	"	worse	worse
10	mo.	45 00		"	540		540	10	"	"	"	same	same
10	day	1 25		"	325		325	10	"	"	"	"	worse
10	mo.	45 00		"	540		540	10	"	"	"	"	"
10	"	45 00		"	540		540	10	"	"	200	same	same
10	day	1 25		"	391		391	10	"	"	no	worse	worse
10	"	1 25		"	391		391	10	"	"	"	"	"
10	mo.	45 00		"	450		450	10	"	"	75	"	"
10	day	1 25		"	325		325	10	"	"	no	"	"
10	"	1 50		"	156		156	10	"	"	"	"	"
12	"	1 50		"	39		39	10	"	"	"	same	same
10	"	1 50		"	156		156	10	"	"	"	worse	"
10	mo.	45 00		"	495		495	10	"	"	"	"	worse
10	day	1 25		"	391		391	10	"	"	"	"	"
10	"	1 50		"	156		156	10	"	"	"	same	same
10	"	1 50		"	470		470	10	"	"	"	"	"
10	"	1 25		"	392		392	10	"	"	"	"	"
10	"	1 25		"	892		892	10	"	"	"	worse	worse
10	"	1 25		"	162		162	10	"	"	"	"	"
10	"	1 25		"	391		391	10	"	"	"	"	"
10	"	1 25		"	391		391	10	"	"	"	"	"
10	mo.	100 00		"	1,200		1,200		"	"	200	"	"
10	day	1 50		"	39		39	10	neither	"	no	same	same
10	"	1 50		"	39		39	10	"	"	"	better	"
10	mo.	50 00		"	600		600		"	"	"	same	worse
10	day	1 25		"	293		293	10	"	"	"	"	"
10	"	1 25		"	260		260	10	"	"	"	"	"
10	mo.	45 00		"	495		495	10	"	"	150	worse	"
10	day	1 25		"	391		391	10	"	"	no	"	same
10	"	1 50		"	470		470	10	"	"	50	same	"
10	"	1 25		"	391		391		"	"	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
1958	Marshall	Conductor..	C. J. & M.	Am.	32	m	10	2	10	13	9	3			Lack of work
1959	"	"	"	"	24	"	12	10	15	10	10	1			Vacation
1960	"	"	"	"	56	s	11	11	15	11	11	1			
1961	"	Engineer	"	"	33	m	12	11	15	12	12	1			
1962	"	"	"	"	39	"	12	11	15	12	12	1			
1963	"	"	"	"	35	"	12	11	15	12	12	1			Sickness
1964	"	"	"	"	39	"	12	11	15	12	12	1			
1965	"	"	"	"	35	s	12	11	15	12	12	1			
1966	"	Fireman	"	"	33	s	12	11	15	12	12	1			
1967	Alleghen	Brakeman	"	"	33	m	1	1	6	6	11½	13			Sickness
1968	Marshall	"	"	"	45	"	1	1	6	6	12	4			Sickness
1969	"	"	"	"	31	"	1	1	6	6	12	4			
1970	"	"	"	"	25	s	1	1	6	6	12	2			Lack of work
1971	Toledo	"	"	"	32	s	1	1	6	6	12	2			
1972	Marshall	"	"	"	34	s	1	1	6	6	12	2			Accident
1973	"	"	"	"	28	"	1	1	6	6	12	4			Lack of work
1974	Monteith	Agent	"	"	36	m	5	12	12	12	12	8			Laid off
1975	Cereaco	"	"	"	31	"	1	14	14	14	12	8			
1976	Homer	"	"	"	33	"	5	14	14	14	12	8			
1977	Tecumseh	"	"	"	40	"	1	12	12	12	11	1			Vacation
1978	Alleghen	"	"	"	37	"	1	12	12	12	11	1			
1979	Monteith	Operator	"	"	17	s	1	12	12	12	11	10			
1980	Marshall	Carpenter	"	"	54	m	4	10	10	10	8	4			Sickness
1981	"	Laborer	"	"	38	"	4	10	10	10	12	4			
1982	"	"	"	"	43	"	3	10	10	10	11½	13			Sickness
1983	"	Painter	"	"	38	"	3	10	10	10	12	13			
1984	"	"	"	"	32	"	3	10	10	10	12	13			
1985	"	Car repairer	"	"	26	"	1	10	10	10	12	10			
1986	"	"	"	"	35	"	1	10	10	10	12	10			
1987	"	"	"	"	32	"	1	10	10	10	12	10			Pleasure
1988	"	"	"	"	28	"	1	10	10	10	12	10			
1989	"	"	"	"	39	"	4	10	10	10	11½	13			Sickness
1990	"	"	"	Ger.	25	"	6	10	10	10	10	13			
1991	"	Machinist	"	Am.	27	"	1	9	10	10	11½	13			Pleasure
2002	"	"	"	"	35	s	1	10	10	10	12	13			
2003	"	"	"	"	24	"	1	10	10	10	12	13			
2004	"	"	"	"	28	"	1	10	10	10	12	13			
2010	"	"	"	"	19	"	1	10	10	10	12	13			
2011	"	"	"	"	54	m	2	10	10	10	12	13			
2013	"	Boiler mak'r	"	"	19	s	2	10	10	10	12	13			Lack of work
2014	"	Helper	"	"	19	s	2	9	10	10	12	13			
2017	"	Boiler mak'r	"	"	34	m	2	9	10	10	12	13			Sickness
2018	"	Blacksmith	"	Ger.	47	"	4	9	10	10	12	10			
2021	"	"	"	Am.	36	"	2	10	10	10	11½	13			Sick, & pleas.
2022	Alleghen	Yard man	"	Ger.	43	"	2	10	10	10	11	1			Sickness
2023	"	Car inspect.	"	Am.	31	"	1	12	12	12	12	1			
2024	Marshall	Target man	"	"	63	"	1	12	12	12	12	1			
2025	Marshall	Sectionman	"	"	38	"	1	10	10	10	12	1			
2026	Homer	"	"	"	26	s	1	10	10	10	12	1			
2027	Marshall	"	"	"	21	"	1	10	10	10	12	1			
2028	"	"	"	Ger.	23	"	1	10	10	10	10	1			Lack of work
2029	"	"	"	Am.	21	"	1	10	10	10	10	1			"
2030	Homer	"	"	"	28	"	1	10	10	10	10	1			
2031	"	"	"	"	40	m	5	10	10	10	12	1			
2032	"	"	"	"	36	"	1	10	10	10	12	1			
2033	Tecumseh	"	"	"	27	"	1	10	10	10	12	2			Sickness
2034	Marshall	Laborer	"	Irish	20	s	1	10	10	10	12	1			
2035	"	"	"	Am.	43	m	3	10	10	10	12	1			
2036	"	"	"	"	32	"	1	10	10	10	12	1			
2036	Bessemer	Conductor..	D. S. S. & A.	"	38	"	1	10	10	10	12	1			
2037	St. Ignace	"	"	Irish	30	"	1	14	14	14	12	1			Sickness
2038	"	"	"	"	30	w	1	12	12	12	12	1			
2039	Marquette	"	"	Am.	25	m	1	10	10	10	12	1			
2040	"	"	"	Can.	27	"	2	12	12	12	12	1			
2041	"	"	"	Irish	32	"	1	14	14	14	12	1			
2042	"	"	"	Can.	29	s	1	12	10	10	12	1			

* Boiler maker's apprentice.

Railway employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
11½	day	\$2 80	hr. 28c	mo.	\$856	\$10	\$866	13	neither	neither	no	better	better
13½	"	2 80	" 28c	"	728	25	753	13	"	"	\$150	same	same
12	"	3 00	" 30c	"	900	15	915	13	"	"	500	same	worse
12	mile 4 and 3½c	" 35c	" 35c	"	900	15	915	13	"	inc. ½ to ¾ ct	200	better	better
12	" 4 " 3½c	" 35c	" 35c	"	675	23	700	13	"	"	no	same	same
12	" 4 " 3½c	" 35c	" 35c	"	1,000	15	1,015	13	"	"	500	"	"
13	" 4 " 3½c	" 35c	" 35c	"	1,000	25	1,025	13	"	"	800	better	better
13	" 4 " 3½c	" 35c	" 35c	"	1,050	30	1,080	13	"	"	700	"	"
12	" 2c	" 18c	" 18c	"	690	—	690	12½	"	increase	100	same	same
6	mo. \$45 00	"	"	"	540	—	540	12	"	dec. \$10 mo.	150	worse	worse
11	mile 1.8c	"	"	"	440	—	440	12	"	neither	no	same	same
13	day	1 90	hr. 19c	"	595	15	610	13	"	"	100	"	"
13	"	1 90	" 19c	"	350	7	357	13	"	"	200	"	"
11	"	2 00	" 20c	"	625	25	651	13	"	"	200	"	"
12	"	2 00	" 20c	"	520	25	545	13	"	"	150	"	"
12	"	2 00	" 20c	"	400	10	410	13	"	"	100	"	"
12	mo. 50 00	"	"	"	600	—	600	—	"	"	50	"	"
14	"	45 00	"	"	540	—	540	—	"	"	50	worse	worse
14	"	50 00	"	"	600	—	600	—	"	"	100	same	same
12	"	50 00	"	"	600	—	600	—	"	dec. \$5 mo.	no	"	"
12	"	60 00	"	"	720	—	720	—	"	neither	no	"	"
10	"	35 00	"	"	70	—	70	—	"	"	no	worse	worse
10	day	2 00	"	"	416	—	416	—	"	"	200	"	"
10	"	1 35	"	"	423	—	423	—	"	"	no	"	"
10	"	2 75	"	"	825	—	825	—	"	"	no	worse	worse
9½	"	1 50	"	"	470	—	470	—	"	"	no	"	"
9½	"	1 50	"	"	470	—	470	—	"	"	no	"	"
10	"	1 35	hr. 13½c	"	409	—	409	—	"	"	125	same	same
10	"	1 35	"	"	419	—	419	10	"	"	100	worse	worse
10	"	1 35	"	"	419	—	419	10	"	"	no	"	"
10	"	1 35	"	"	405	—	405	—	"	"	no	"	"
10	"	1 35	"	"	351	—	351	—	"	"	200	same	same
9½	"	2 25	hr. 22½c	"	675	—	675	10	"	"	no	worse	worse
10	"	1 75	" 17½c	"	548	—	548	10	"	"	no	same	same
10	"	2 50	" 25c	"	775	—	775	10	"	"	200	"	"
10	"	2 50	" 25c	"	775	—	775	10	"	"	150	"	worse
10	"	1 00	"	"	260	—	260	—	"	"	no	"	same
10	mo. 90 00	"	"	"	1,080	—	1,080	—	"	"	yes*	"	"
9½	day	1 00	"	"	280	—	280	—	"	"	no	"	"
9½	"	2 50	hr. 25c	"	775	—	775	10	"	"	150	worse	worse
9½	"	2 25	" 23c	"	681	—	681	10	"	"	75	same	same
10	"	2 25	" 25c	"	750	—	750	10	"	"	no	better	worse
10	"	1 35	" 18½c	"	386	—	386	—	"	"	no	same	same
12	mo. 40 00	"	"	"	480	—	480	—	"	"	"	worse	worse
10	"	30 00	"	"	360	—	360	—	"	"	"	same	same
10	"	40 00	"	"	480	—	480	—	"	"	"	"	"
10	"	40 00	"	"	480	—	480	—	inc. \$3.50 mo.	dec. \$5 mo.	200	worse	worse
10	day	1 10	hr. 11c	"	286	—	286	10	neither	neither	no	"	"
10	"	1 10	" 11c	"	286	—	286	10	"	"	"	"	"
10	"	1 10	" 11c	"	286	—	286	10	"	"	"	"	"
10	"	1 10	"	"	344	—	344	10	"	"	100	"	"
10	"	1 10	"	"	344	—	344	10	"	"	no	"	"
10	"	1 10	"	"	342	—	342	10	"	"	"	"	"
10	"	1 10	"	"	344	—	344	—	"	"	"	same	same
10	"	1 10	"	"	344	—	344	—	"	"	"	worse	worse
10	"	1 20	hr. 12c	"	375	—	375	—	"	"	"	same	"
10	"	1 20	"	"	875	—	875	—	"	"	"	worse	"
10	mo. 100 00	"	"	"	1,200	250	1,450	—	"	inc. \$25 mo.	1,000	better	better
14	mile 3c	"	mi. 3c	"	1,100	—	1,100	15	"	" 50 yr.	800	same	"
12	mo. 90 00	"	"	"	1,080	—	1,080	13	"	" 15 mo.	200	better	"
11	"	70 00	yes*	"	840	—	840	11	"	" 5 "	no	worse	worse
12	"	70 00	"	"	840	—	840	11½	"	"	"	"	"
12½	"	80 00	mi. 3c	"	969	40	1,009	11	"	inc. 10%	"	"	"
11	"	75 00	"	"	900	—	900	—	"	inc. \$5 mo.	yes*	"	"

* Does not say what.

† Per mile.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
2043	Marquette	Conductor	D. S. S. & A.	Can.	25	s	2	10	10	12				
2044	"	"	"	Am.	32	m	2	3	11	11				
2045	"	"	"	Can.	27	m	2	1	12	10				
2046	"	"	"	"	36	s		11	11	12				
2047	"	"	"	Am.	33	m	2	10	10	12				
2048	"	"	"	"	38	s	2	4	12	12				
2049	"	"	"	"	31	m	2	1	10	10				
2050	"	"	"	"	29	m	2	4	12	12				
2051	Humboldt	"	"	"	31	s		12	10	12				
2052	Thomaston	"	"	"	42	m	2	4	12	10				
2053	Marquette	"	"	"	40	m	2	5	12	9		3		Sickness
2054	"	"	"	Hol.	30	m	2	12	12	10		3		Sick & lack w
2055	"	"	"	Am.	29	s		12	12	12				
2056	"	"	"	Irish	31	m	6	11	11	11		1	2	Injury.
2057	"	"	"	Can.	35	m	2	3		12				
2058	"	Engineer	"	Scotch	34	m	2	1	15	16				
2059	"	"	"	Am.	26	m	2	2	12	12				
2060	"	"	"	Eng.	28	m	2	1	10	10		13		Sickness
2100	"	"	"	Am.	24	s		12	12	12				
2101	"	"	"	French	28	m	2	11	11	11		1		Lack of work
2102	"	"	"	Ger.	33	m	2	4		12				
2103	"	"	"	Eng.	40	m	2	3	15	12				
2104	"	"	"	"	29	m	2	2	12	12				
2105	"	"	"	"	31	m	2	1	11	11				
2106	"	"	"	Aru	30	s		11	11	12				
2107	Ishpeming	"	"	"	34	m	2	1	11	11				
2108	Marquette	"	"	Eng.	32	m	2	2	12	13				
2109	Negaunee	"	"	Am.	36	m	2	4	10	10				
2110	"	"	"	"	28	s		11	11	12				
2111	Marquette	"	"	"	22	s		11	11	13				
2112	"	"	"	"	31	m	2	1	11	11				
2113	Ishpeming	"	"	Eng.	31	m	2	2	12	13				
2114	"	"	"	Am.	26	s		10	14	12				
2115	"	"	"	"	36	m	2	12	14	12				
2116	Marquette	"	"	"	27	s		11	11	12				
2117	Ishpeming	"	"	French	36	m	2	2	12	12				
2118	"	"	"	Am.	33	m		11	13	12				
2119	"	"	"	"	28	s		11	14	12				
2120	Marquette	Fireman	"	Irish	24	m		10	10	12				
2121	"	"	"	"	27	m	2	2	6	8		2	12	Sickness
2122	St. Ignace	"	"	Am.	29	s		12	12	12				
2123	"	"	"	Irish	25	s		10	10	12				
2124	Marquette	"	"	"	26	m		14	15	12				
2125	St. Ignace	"	"	Am.	27	m		11	11	12				
2126	Marquette	"	"	"	26	m	2	1	8	8				
2127	"	"	"	"	24	m	2	1	11	11				
2128	"	"	"	"	27	s		11	11	12				
2129	"	"	"	"	26	s		10	10	12				
2170	"	"	"	"	24	m		8	10	8		4		Pleasure
2171	"	"	"	"	29	m		10	10	12				
2172	"	"	"	"	22	m	3	3	10	10		4		Sickness
2173	Negaunee	"	"	"	26	m		11	11	12				
2174	"	"	"	"	24	m		11	11	12				
2175	Marquette	"	"	"	21	m		11	11	12				
2176	"	"	"	"	25	m		11	11	12				
2177	"	Brakeman	"	"	23	m		10	10	12				
2178	St. Ignace	"	"	French	32	m	2	5	16	16				
2179	"	"	"	Irish	24	s		16	16	12				
2180	Marquette	"	"	Scotch	21	m	2	1	10	10		1		Vacation
2181	St. Ignace	"	"	Irish	22	s		12	12	11		1		Injured
2182	Marquette	"	"	Am.	28	m	2	14	16	11		1		Lack of work
2183	Sault Ste. M.	"	"	Eng.	24	s		11	11	12				
2184	Marquette	"	"	Irish	23	m	3	12	16	9		3		Sick. & l. of w.
2185	"	"	"	"	23	m		11	11	12				
2186	"	"	"	Ger.	24	m		11	11	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money last year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$65 00	yes*	mo.	\$780		\$780		neither		no	worse	worse
11	"	75 00	"	"	936		936		inc. \$3 mo.	inc. \$3 mo.	"	"	"
11	"	85 00	"	"	780		780		neither		"	"	"
11	"	70 00	"	"	840		840		"	inc. \$5 mo.	\$250	"	"
12	day	2 50	"	"	782		782	10	"	neither	no	"	"
12	mo.	78 00	"	"	936	\$50	986		inc. \$3 mo.	inc. \$8 mo.	"	"	"
12	"	70 00	"	"	840		840		neither	"	no	"	"
12	"	78 00	"	"	936		936		"	neither	500	"	"
11	"	65 00	"	"	800		800	11	"	"	200	"	"
11	"	80 00	hr 27c	"	960		960	11	"	inc. 10c	800	"	"
12	"	100 00	"	"	900		900		"	"	no	"	"
12	"	100 00	"	"	1,000		1,000		"	neither	"	"	"
12	"	90 00	yes*	"	1,080		1,080		"	increase	300	"	"
11	day	3 00	"	"	933	200	1,133		"	inc. \$18 mo.	yes*	same	same
11	"	2 75	yes*	"	890	84	974	11	"	neither	no	worse	worse
15	mo.	105 00	"	"	1,250		1,250		"	inc. \$1 day	"	"	"
12	day	8 85	"	"	1,195	125	1,320	11	inc. 85c day	"	"	"	"
12	"	8 85	"	"	1,155		1,155	11	neither	"	"	"	"
10	"	3 85	"	"	1,195	100	1,295	11	"	"	200	"	"
11	"	3 85	"	"	1,195		1,195	11	"	neither	no	"	"
13	mi.	3.7 c.	mi. 4c	"	1,800		1,800		inc. 80c day	inc. 96c day	"	"	"
13	day	8 85	yes*	"	1,195	180	1,375	11	neither	"	"	"	"
12	"	3 85	"	"	1,195	100	1,295	11	"	"	"	"	"
11	"	3 85	"	"	1,370		1,370		"	"	"	same	same
11	"	3 85	"	"	1,300		1,300		"	"	500	worse	worse
12	"	8 85	"	"	1,350		1,350		"	"	"	same	same
12	"	2 75	"	"	890		890	11	"	neither	no	worse	worse
10	"	2 75	"	"	890		890	11	"	"	"	"	"
10	"	2 50	yes*	"	782		782	11	"	"	"	"	"
11	"	2 50	"	"	782		782	11	"	"	"	"	"
11	"	2 75	"	"	890		890	11	"	neither	300	"	"
12	"	2 75	"	"	890		890	11	inc. 25c day	"	no	"	"
12	"	2 75	"	"	890		890	11	neither	"	"	"	"
12	"	2 50	"	"	783		783	10	"	"	"	"	"
13	"	2 75	"	"	861		861	11	"	"	200	"	"
11	"	2 75	"	"	898		898	10	inc. 80c day	"	no	better	better
12	"	2 75	"	"	861		861	11	neither	"	"	worse	worse
12	"	2 75	"	"	861		861	11	"	"	150	"	"
12	"	2 75	"	"	861		861	11	"	"	no	"	"
10	mo.	90 00	mi. 3c	"	1,080	165	1,245		inc. 1c mi.	inc. 1c mi.	500	better	better
7	"	80 00	yes*	"	570	8	578	12	"	"	no	worse	worse
12	day	2 00	"	"	826	74	900	10	increase	"	100	same	better
10	"	2 40	yes*	"	782		782	11	"	"	no	"	"
14	"	2 35	"	"	736		736	11	inc. 15c day	"	"	"	"
11	"	2 35	"	"	736		736	11	"	3c mile	"	"	"
8	"	2 20	yes*	"	688	50	738		neither	"	"	worse	worse
11	"	2 35	"	"	736		736	11	inc. 30c day	"	"	same	better
11	"	2 30	"	"	720		720	11	"	30c	"	"	"
10	"	2 30	"	"	720		720	11	"	30c	"	worse	worse
9	"	1 75	"	"	364		364	10	neither	"	"	"	"
10	"	1 75	"	"	348		348	10	"	"	800	"	"
11	"	1 75	"	"	364		364	11	inc. 25c day	"	no	"	"
11	"	1 75	yes*	"	348		348	11	neither	"	"	"	"
11	"	1 75	"	"	348		348	11	"	"	"	"	"
11	"	1 75	"	"	348		348	11	"	"	"	"	"
11	"	1 75	"	"	348		348	11	"	"	"	"	"
10	mo.	30 60	"	"	600		600		inc. \$5 mo.	inc. \$5 mo.	255	better	better
16	"	60 00	"	"	720	60	780	11	neither	"	5	"	"
16	"	60 00	hr. 20c	"	720	60	780	17	"	"	no	"	"
12	"	55 00	mi. 2c	"	648		648	10	"	"	yes*	worse	worse
10	"	50 00	"	"	550		550	12	"	1c mi.	200	"	"
15	mi.	2.9 c.	"	"	572	20	592	16	inc. \$10 mo.	"	"	"	worse
11	mo.	32 00	mi. 2c	"	624		624	10	"	"	100	worse	"
14	mi.	2c	hr. 20c	"	550	50	600	16	increase	"	no	"	worse
11	day	2 00	"	"	626		626	11	inc. 8c day	"	200	same	better
11	"	2 00	hr. 20c	"	626		626	11	neither	"	60	"	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
2187	Red Jacket	Brakeman	D. S. S. & A.	Can.	40	m	3	3	11	11	11½	15			Lack of work
2188	Marquette	"	"	Irish	24	s			11	11	10		2		"
2189	Champion	"	"	French	21	"			11	11	11		1		Sickness
2190	Negaunee	"	"	Irish	23	"			10	10	12				
2191	Marquette	"	"	Am.	26	m	2		10	10	12				
2192	"	"	"	"	23	s			11	11	12				
2193	"	"	"	"	23	"			10	10	12				
2194	"	"	"	Can.	35	"			11	11	12				
2195	"	"	"	"	26	m	2		10	10	12				
2196	Houghton	"	"	Am.	29	s			11	11	12				
2197	Duluth	"	"	Can.	35	"			12	10	12				
2198	Ishpeming	"	"	Am.	24	"			11	11	11½		18		Lack of work
2199	Marquette	"	"	Can.	50	m	2	7	9	9	12				
2200	"	"	"	Am.	31	s			10	10	12				
2201	"	"	"	Can.	25	"			10	10	12				
2202	"	"	"	Am.	28	"			10	9	12				
2203	"	"	"	Can.	28	"			8	9	12				
2204	"	"	"	Am.	22	"			10	9	12				
2206	"	"	"	Can.	31	"			11	11	12				
2205	"	Baggage man	"	Am.	36	"			9	9	12				
2256	Republic	"	"	"	30	m	2	4	10	10	12				
2257	Marquette	"	"	Can.	33	"	2	1	10	10	12				
2258	"	"	"	"	24	s			10½	10½	11½		18		Sickness
2259	"	"	"	Eng.	28	m	2				12				
2260	St. Ignace	"	"	Am.	32	"		2	11	11	12				
2261	Marquette	Agent	"	"	27	"	2		10	10	12				
2262	Bessemer	"	"	Swede	39	s			8	8	12				
2263	Republic	"	"	Eng.	40	w	1	4	12	12	12				
2264	Humbolt	"	"	Can.	31	m		1	12	12	12				
2265	Ewen	"	"	Am.	26	"	2		18	12	12				
2266	Onota	"	"	Hol.	32	"	2		12	12	11½		16		Vacation
2267	Seney	"	"	Ger.	28	s			12	12	12				
2268	Marquette	"	"	Am.	26	m	2	1	20	18	12				
2269	Negaunee	"	"	"	34	"	2		12	12	12				
2270	Ishpeming	"	"	"	40	"	2	2	10	10	12				
2271	Eagle Mills	"	"	"	26	s			11	11	12				
2272	Bessemer	"	"	"	32	m	2	2	6	6	12				
2273	Marquette	Dispatcher	"	"	24	"	2	1	8	8	12				
2274	St. Ignace	Operator	"	"	"	s			10	10	12				
2275	Ishpeming	"	"	"	23	m	2		12	12	12				
2276	Negaunee	"	"	"	34	"	2		12	12	12				
2277	"	"	"	"	20	s			12	12	6		6		Lack of work
2278	Houghton	"	"	"	23	"			10	10	12				
2279	Summit	"	"	"	28	"			13	18	10		2		Lack of work
2280	Hemlock	"	"	Eng.	28	"			14	14	12				
2281	Eagle Mills	"	"	Am.	38	"			10	10	12				
2282	Ishpeming	"	"	"	27	s			10	10	12				
2283	Humbolt	"	"	"	24	"			13	12	9		3		Lack of work
2284	Michigamme	"	"	"	28	"			13	13	9		3		"
2285	Ishpeming	"	"	"	19	"			12	12	12				
2286	"	"	"	Swede	"	"			12	18	12				
2287	Marquette	"	"	Am.	20	"			12	12	12		2		Sickness
2288	Seney	"	"	Ger.	24	"			15	11			1		Vacation
2289	Ewen	"	"	Am.	20	"			12	12	11		1		Laid off
2290	"	"	"	"	24	"			12	12	12				
2291	Republic	Cashier	"	"	21	"			12	10	12				
2292	Ishpeming	"	"	"	27	m	2	1	10	10	12				
2293	Marquette	"	"	"	34	"	2	3	10	10	12				
2294	"	Accountant	"	"	23	"	2	1	8	8	12				
2295	"	Bookkeeper	"	"	25	s			8	8	12				
2296	"	Clerk	"	"	33	m	2	1	8	8	12				
2297	"	Secretary	"	"	40	s			9	9	12				
2298	"	Stenographer	"	"	28	s			8	8	12				
2299	"	Clerk	"	"	25	"			8	8	12				
2300	Ishpeming	"	"	Can.	21	"			10	10	12				
2301	Champion	"	"	Am.	28	"			10	10	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
11	mo.	\$50 00	yes*	mo.	\$575		\$575	12	neither	neither	\$200	worse	worse
11	da.	2 00		"	520		520	11	"	inc. 20c day	no	"	"
11	"	2 00	mi. 2c	"	572		572	11	"	" 10%	"	"	"
10	mi.	02	hr. 20c	"	624		624	11	inc. \$7 mo.	" \$7 mo.	"	"	"
10	mo.	50 00	yes*	"	600		600		neither	neither	"	same	"
11	"	50 00		"	600		600		"	"	250	"	"
10	"	50 00		"	600		600		"	"	no	worse	"
11	da.	2 00	yes*	"	625		625		"	inc. \$5	no	"	"
11	mo.	52 60		"	572	\$10	582	11	"	inc. 10%	"	"	"
11	da.	2 00	mi. 2c	"	625	18	644	11	"	" 12%	50	"	"
11	"	2 00	hr. 20c	"	598	20	618	11	"	" 15%	100	"	"
9	mo.	50 00		"	600		600		"	neither	no	same	same
10	"	50 00		"	600		600		"	"	200	worse	"
10	"	50 00		"	600		600		"	"	100	"	worse
9	"	50 00		"	600		600		"	"	no	"	"
8	"	50 00		"	600		600		"	"	150	"	"
9	mi.	02	yes*	"	625		625		"	neither	no	"	"
10	mo.	60 00		"	720		720		"	inc. \$5 mo.	"	"	"
10	"	50 00		"	600		600		"	neither	"	"	"
10	"	60 00		"	720		720		"	inc. \$5 mo.	"	"	"
10	"	60 00		"	680		680		"	neither	"	"	"
11	"	60 00		"	720		720		"	inc. \$5 mo.	300	better	"
11	"	60 00		"	720		720		"	neither	no	worse	worse
10	"	85 00		"	1,020		1,020		"	inc. \$10 mo.	no	"	"
12	"	100 00		"	1,200		1,200		"	neither	no	"	"
12	da.	75 00		"	900		900		neither	"	360	"	"
12	mo.	2 30		"	720		720		"	decrease	no	"	"
12	"	50 00		"	570		570		"	neither	400	"	"
12	"	60 00		"	720		720		"	inc. \$15 mo.	400	same	better
12	"	65 00		"	780		780		"	neither	no	better	worse
12	"	100 00		mo.	1,200		1,200		neither	neither	no	worse	worse
11	"	75 00		"	900		900		"	inc. \$5 mo.	200	"	"
11	"	55 00		"	690		690		"	neither	no	"	"
10	"	55 00		"	780		780		"	inc. \$25 mo.	inc. \$25 mo.	"	"
12	"	55 00		"	660		660		" 10 "	increase	200	worse	worse
12	"	55 00		"	660		660		" 10 "	neither	no	better	better
12	"	45 00		mo.	270		270		neither	neither	"	worse	worse
12	"	45 00		"	540		540		"	"	no	same	"
13	"	45 00		"	450		450		"	inc. \$5 mo.	no	worse	"
14	"	45 00		"	540		540		"	"	"	"	"
10	"	50 00		"	600		600		"	"	"	"	"
10	"	45 00		"	540		540		"	"	"	"	"
12	"	45 00		"	405		405		dec. \$5 mo.	dec. \$5	"	"	"
13	"	45 00		"	405		405		" 15%	" 10%	"	"	"
12	"	45 00		"	540		540		neither	neither	"	"	"
12	"	65 00		"	780		780		inc. \$15 mo.	"	"	same	better
12	"	50 00		"	596		596		" 5 "	"	150	worse	worse
12	"	50 00		"	550		550		" 10 "	"	200	same	better
12	"	45 00		"	540		540		neither	"	150	better	"
11	"	50 00		"	600		600		"	"	no	worse	"
10	"	70 00		"	840		840		"	neither	"	"	worse
9	"	65 00		"	780		780		"	"	"	"	"
8	"	125 00		"	1,500		1,500		inc. \$10 mo.	" 5 "	500	same	better
8	"	75 00		"	900		900		"	neither	no	better	"
8	"	90 00		"	1,080		1,080		neither	"	no	worse	worse
9	"	90 00		"	1,080		1,080		"	inc. \$15	no	better	better
8	"	65 00		"	780		780		"	dec. 50%	no	worse	worse
8	"	75 00		"	900		900		inc. \$10 mo.	" 5 "	no	same	"
10	"	50 00		"	600		600		neither	neither	"	worse	worse
10	"	50 00		"	600		600		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
2302	St. Ignace	Billing cl'k.	D., S. S. & A.	Am.	19	s			10	10 12				
2303	Houghton				32	s			12	12 12				
2304	Marquette	Clerk			21	s	4	1	8	8 12				
2305	"	"	"	"	18	s			8	8 12				
2306	"	"	"	"	23	s			9	9 12				
2307	"	"	"	"	31	s			9	9 12				
2308	"	"	"	"	24	s			8	8 12				
2309	"	"	"	"	28	s			10	10 12				
2310	"	"	"	"	35	m	2	1	9	9 12				
2311	"	"	"	"	27	s			10	10 12				
2312	"	"	"	"	16	s			10	10 6	6			Att. school
2313	"	"	"	"	24	m	2		8	8 12				
2314	"	"	"	Eng.	31	s			8	8 12				
2315	"	"	"	Irish	18	s			8	8 12			3	Sickness
2316	"	"	"	Am.	21	s			8	8 12				
2317	"	"	"	"	23	m	2		8	8 12				
2318	"	"	"	"	21	s			8	8 12	10			Sickness
2319	"	"	"	"	25	s			10	10 12				
2320	"	"	"	"	18	s			8	8 12				
2321	"	"	"	"	26	s			8	8 12				
2322	"	"	"	"	31	s			8	8 12				
2323	"	"	"	Can.	24	s			10	10 12				
2324	"	"	"	"	33	m	2	3	10	10 12				
2325	"	"	"	Am.	17	s			8	8 2	10			Att. school
2326	"	"	"	"	18	s			8	8 4 1/2	7 1/2			Sickness
2327	"	"	"	"	22	s			8	8 12				
2328	"	"	"	"	41	s			10	12				
2329	"	"	"	"	24	s			9	9 12				
2330	"	"	"	Eng.	28	m	2		8	8 12				
2331	"	"	"	Am.	24	s			8	8 12				
2332	"	"	"	"	28	s			8	8 12				
2333	"	"	"	"	17	s			10	10 7	5			Lack of work
2334	"	"	"	Irish	20	s			10	10 12				
2335	"	"	"	Am.	10	s			10	10 12				
2336	"	"	"	"	24	s			8	8 12				
2337	"	"	"	"	19	s			12	11 12				
2338	"	"	"	"	20	s			9	9 12				
2339	"	"	"	"	24	m	2	1	8	8 12				
2340	St. Ignace		"	"	32	s			14	10 12				
2341	"		"	"	26	m	4	1	18	12 12				
2342	Marquette	Car checker	"	"	33	s	2	1	12	12 1 1/2	6			Other occup'n
2343	"	"	"	"	23	s			16	10 12				
2344	"	"	"	"	35	m	2	2	10	10 12				
2345	"	"	"	"	20	s			10	10 6	6			Lack of work
2346	"	"	"	"	17	s			11	11 6	6			
2347	St. Ignace		"	Irish	18	s			10	10 5	7			Other work
2348	Houghton	Fr't checker	"	Am.	25	s	5		15	9 12				
2349	St. Ignace		"	Irish	20	s			10	10 8				
2350	"		"	Swiss	26	s			10	10 10	2			*
2351	Republic	Baggage m'n	"	Irish	21	s			10	10 10				
2352	Marquette	Sta. bag m'n	"	Scotch	25	s			10	10 12				
2353	St. Ignace	Baggage m'n	"	Am.	46	m	4	2	12	12 12				
2354	Negaunee	"	"	Can.	24	s			10	10 12				
2355	Marquette	"	"	Am.	23	s			10	10 12				
2356	Houghton	"	"	"	24	s			10	10 12				
2357	Negaunee	"	"	"	34	m	2	1	16	10 12				
2358	Isipeming	"	"	Can.	20	s			10	10 12				
2359	Marquette	"	"	Am.	24	s			8	10 12				
2360	"	"	"	"	28	s			10	10 12				
2371	"	Carpenter	"	Can.	34	m	2	4	10	10 12				
2372	"	"	"	Am.	39	s	2	1	10	10 12				
2373	"	"	"	Can.	33	s			10	10 12				
2374	"	"	"	"	38	m	2	1	10	10 12				
2375	"	"	"	Am.	28	s	2	3	8	10 12				
2376	"	Pat'n mak'r	"	Ger.	58	s	4	2	10	10 3	4			Sickness
2377	"	Apprentice	"	Am.	21	s			9	10 12				

* Did not want to work.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$50 00		mo.	\$800		\$800		neither	inc. \$5 mo	\$100	same	same
12	"	80 00		"	720		720	24	"	neither	no	worse	"
5	"	50 00		"	800		800		"	"	"	"	worse
5	"	30 00		"	380		380		"	"	"	"	"
9	"	100 00		"	1,200		1,200		neither	neither	"	same	same
9	"	80 00		"	720		720		"	inc. \$5 mo	no	"	"
9	"	68 00		"	720		720		"	neither	"	worse	"
9	"	65 00		"	780		780		"	inc. \$10 mo	yes*	"	worse
10	"	55 00		"	680		680		"	neither	no	"	"
10	"	80 00		"	720		720		"	"	200	"	"
10	"	15 00		"	90		90		"	"	no	same	"
8	"	80 00		"	980		980		"	increase	"	worse	worse
8	"	80 00		"	720		720		"	inc. \$10 mo	no	same	"
3	"	35 00		"	420		420		inc. \$5 mo	neither	\$5	worse	"
3	"	45 00		"	540		540		neither	inc. \$10 mo	100	"	"
8	"	80 00		"	980		980		inc. \$20 mo	increase	"	"	"
3	"	45 00		"	520		520		" 10 "	"	no	worse	worse
10	"	80 00		"	720		720		" 10 "	"	"	"	"
3	"	50 00		"	800		800		"	increase	300	better	same
8	"	65 00		"	780		780		"	inc. \$5 mo	200	worse	worse
10	"	80 00		"	720		720		" 10 "	"	no	"	"
10	"	50 00		"	600		600		"	neither	"	"	"
10	"	80 00		"	720		720		neither	inc. \$5 mo	"	same	same
3	"	20 00		"	40		40		"	neither	"	"	"
3	"	30 00		"	185		135		inc. \$10 mo	" 10 "	"	"	"
9	"	45 00		"	540		540		" 10 "	neither	45	worse	worse
8	"	45 00		"	540		540		neither	"	no	"	"
8	"	70 00		"	840		840		"	inc. \$10 mo	200	same	same
8	"	80 00		"	720		720		" 10 "	"	no	worse	worse
8	"	45 00		"	540		540		" 5 "	"	"	"	"
10	"	80 00		"	720		720		"	neither	"	"	"
10	"	15 00		"	105		105		"	"	no	"	"
10	"	50 00		"	800		800		"	neither	"	"	"
10	"	30 00		"	800		800		"	"	"	"	"
3	"	75 00		"	900		900		inc. \$5 mo	"	"	"	"
11 1/2	"	30 00		"	800		800		neither	inc. \$10 mo	"	"	"
9	"	50 00		"	800		800		"	" 15 "	"	same	"
8	"	60 00		"	720		720		"	" 20 "	"	worse	"
12	"	50 00		"	800		800		"	"	"	same	better
13	"	50 00		"	800		800		"	"	"	"	worse
12	"	45 00		"	68		68		"	"	"	worse	"
10	"	45 00		"	540		540		"	inc. \$5 mo	"	"	worse
10	"	50 00	yes*	"	800		800	10	"	neither	"	"	"
10	"	30 00		"	300		300	10	"	inc. \$5 mo	"	"	"
11	"	20 00	yes*	"	120	\$10	130	10	"	neither	"	"	"
16	"	40 00		"	200		200		"	"	80	same	same
12	"	45 00		"	540		540		inc. \$5 mo	"	no	worse	"
10	"	45 00		"	380		380		dec. 5 "	"	"	"	worse
10	"	45 00		"	450		450		inc. 5 "	"	no	"	"
10	"	45 00		"	450		450		neither	increase	"	"	worse
10	"	55 00		"	680		680		neither	"	"	"	"
12	"	45 00		"	540	60	600		inc. \$5 mo	"	"	same	worse
10	day	1 40		"	438		438		"	"	"	worse	"
10	mo.	45 00		"	540		540		neither	"	"	"	"
10	"	45 00		"	540		540		"	"	yes*	worse	"
13	"	50 00		"	800		800		"	"	no	"	worse
10	"	50 00		"	800		800		inc. \$10 mo	" 10 "	"	better	better
9	day	2 25	yes*	"	704		704	10	neither	inc. \$10 mo	360	worse	worse
10	"	2 25		"	704		704	10	"	neither	"	"	"
10	"	2 25		"	704		704	10	"	"	"	"	"
10	"	2 25		"	704		704	10	"	"	"	"	"
10	"	2 25		"	704		704	10	"	"	"	"	"
9	"	2 25		"	704		704	10	"	"	"	"	"
10	"	2 25		"	704		704	10	"	dec. 25c day	"	"	"
10	"	2 75		"	572		572	10	neither	"	"	"	"
9 1/2	"	1 50		"	470		470	10	inc. 50c day	inc. 50c day	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
2378	Marquette	Woodwork'r	D. S. S. & A.	Can.	44	m	2		9	10	12			
2379	"	"	"	Am.	52		2	6	9	10	12			
2380	"	Painter	"	"	24	s			9	10	12			
2381	"	"	"	"	19				10	10	12			
2382	"	"	"	Can.	24	m	2	1	9	10	12			
2383	"	"	"	"	40	"	2	4	9	10	12			
2384	"	"	"	"	51	"	2		9	10	12			
2385	"	"	"	Swede.	53	s			10	8		4		Lack of work
2386	"	Car repairer	"	Can.	34	s	2	3	9	10	12			
2387	Ishpeming	"	"	"	37	m			10	12	7	5		Lack of work
2388	"	"	"	"	35	s	2	2	10	12	12			
2389	Marquette	"	"	Am.	27	"	2	1	10	10	12			
2390	"	"	"	Irish	50	"	6	2	9	10	12			
2391	"	"	"	Am.	37	"	2	4	9	10	12			
2392	"	"	"	Eng.	24	"	2		9	10	12			
2393	"	"	"	Can.	80	"	2		9	10	12			
2394	"	"	"	Pole	29	"	2	2	9	10	12			
2395	"	"	"	French	35	"	2	4	9	10	12			
2396	"	"	"	"	39	s			9	10	12			
2397	"	"	"	Can.	42	m	2	2	9	10	12			
2398	"	"	"	Scotch	54	"	7	1	10	10	8	4		Lack of work
2399	"	"	"	Can.	60	"	3	5	9	10	12			
2400	"	"	"	"	28	"	2	1	9	10	6	6		Lack of work
2401	"	"	"	"	39	"	2	6	9	10	12			
2402	"	"	"	"	47	"	4	5	9	10	12			
2403	"	"	"	"	40	"	2	7	9	10	12			
2404	Negaunee	"	"	"	27	s			9	11	12			
2405	Marquette	"	"	"	50	m	2	2	9	10	12			
2406	"	"	"	"	31	"			9	10	12			
2407	"	"	"	French	32	m	2	4	12	12	12			
2408	Houghton	"	"	Can.	27	"	2	1	9	10	12			
2409	Marquette	"	"	"	28	"	2	3	9	10	12			
2470	"	Machinist	"	Scotch	26	s			9	10	12			
2471	"	"	"	Eng.	40	m	2	6	9	10	12			
2472	"	"	"	Am.	36	"	2	2	9	10	12			
2473	"	"	"	"	42	"	2	4	9	10	12			
2474	"	"	"	"	36	"	2	3	9	10	12			
2475	"	"	"	Eng.	36	"	2	2	10	10	11	1		Sickness
2476	"	"	"	"	45	"	2	6	9	10	12			
2477	"	"	"	"	28	"	2	4	9	10	12			
2478	"	"	"	Am.	34	s			9	10	12			
2479	"	"	"	"	36	m	2	2	9	10	12			
2480	"	"	"	"	28	s			9	10	12			
2481	"	"	"	Eng.	28	m	2	2	10	10	12			
2482	"	"	"	Am.	34	"	2	1	10	10	12			
2483	"	Molder	"	Swede.	43	"	2	2	9	10	12			
2484	"	Machinist*	"	Am.	34	s			9	10	12			
2485	"	"	"	"	23	"			9	10	12			
2486	"	"	"	"	18	"			9	10	12			
2487	"	"	"	"	18	"			9	10	12			
2488	"	Helper	"	Eng.	27	m	2		9	10	12			
2489	"	"	"	Can.	50	"	2	6	10	12	5	4		Sickness
2490	"	"	"	Swede.	35	s			9	10	12			
2491	"	"	"	Can.	42	m	2	1	9	10	12			
2492	"	"	"	Am.	27	s			9	10	12			
2493	"	"	"	"	42	m	2	5	9	10	12			
2494	"	"	"	"	31	"	2	1	9	10	12			
2495	"	Brass poli'r	"	"	33	"			10	10	12			
2496	"	Derriokman	"	Swede.	32	"	2	2	10	7		5		Lack of work
2497	"	Stat. engin'r	"	Irish	52	"	2	4	10	10	11	11		Accident
2498	"	"	"	Can.	33	"	2	3	9	13	12			
2499	"	"	"	Eng.	28	"	2	1	12	10	10	2		Lack of work
2500	"	Blacksmith	"	Am.	27	s			9	10	12			
2501	"	"	"	Pole	29	m			9	10	12			
2502	"	"	"	Am.	45	"	2	5	9	10	12			
2503	"	"	"	"	24	"	2	2	9	10	12			

* Apprentice.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per	Regular time.		Overtime.	Total.							
9 3/4	day	\$1 85	yes*	mo.	\$579		\$579	10	neither	neither	no	worse	worse
9 3/4	"	2 10	"	"	657		657	10	"	"	"	"	"
9 3/4	"	1 50	"	"	470		470	10	"	"	"	"	"
10	"	1 85	"	"	579		579	10	"	neither	"	"	"
9 3/4	"	2 50	"	"	783		783	10	"	"	"	"	"
9 3/4	"	3 25	"	"	704		704	10	inc. 10c day	inc. 10c day	"	"	"
9 3/4	"	1 70	"	"	582		582	10	neither	neither	\$400	"	"
10	"	1 50	"	"	812		812	10	"	"	no	"	"
9 3/4	"	1 85	"	"	579		579	10	"	"	100	"	"
11	"	1 70	"	"	809		809	10	"	"	no	"	"
11	"	1 85	"	"	579		579	10	"	"	"	"	"
10	"	1 70	"	"	532		532	10	neither	neither	250	"	"
9 3/4	"	1 70	"	"	532		532	10	"	"	no	"	"
9 3/4	"	1 70	"	"	532		532	10	"	"	"	same	same
9 3/4	"	1 70	"	"	532		532	10	"	"	"	worse	worse
9 3/4	"	1 70	"	"	532		532	10	"	"	"	"	"
9 3/4	"	1 70	"	"	532		532	10	"	neither	"	"	"
9 3/4	"	1 70	"	"	532		532	10	"	"	100	"	"
10	"	1 50	"	"	812		812	10	"	neither	no	"	worse
9 3/4	"	1 70	"	"	532		532	10	"	"	"	"	"
9 3/4	"	1 70	"	"	266		266	10	"	"	"	"	"
9 3/4	"	1 70	"	"	582		582	10	"	"	"	"	"
9 3/4	"	1 70	"	"	582		582	10	"	"	"	"	"
9 3/4	"	1 70	"	"	582		582	10	"	"	"	"	"
10	"	1 70	"	"	532		582	10	"	"	"	"	"
9 3/4	"	1 70	"	"	532		582	10	"	"	100	"	"
9 3/4	"	1 70	"	"	532		582	10	"	"	no	same	"
12	mo.	45 00	"	"	540		540	10	"	"	no	worse	"
9 3/4	day	1 85	yes*	"	579		579	10	"	"	"	"	"
9 3/4	"	1 85	"	"	579		579	10	"	"	100	"	"
9 3/4	"	2 80	"	"	813		813	10	"	"	no	"	"
9 3/4	"	2 50	"	"	782		782	10	"	"	"	"	"
9 3/4	"	2 50	"	"	782		782	10	"	inc. 25c day	"	"	"
9 3/4	"	2 60	"	"	813		813	10	"	neither	"	"	"
9 3/4	"	2 60	"	"	813		813	10	"	inc. 10c day	"	"	"
10	"	2 25	"	"	648		648	12	"	dec. 50c	"	same	"
9 3/4	"	2 40	yes*	"	751		751	10	"	inc. 25c	"	"	"
9 3/4	"	2 50	"	"	782		782	10	"	neither	"	worse	"
9 3/4	"	2 40	"	"	751		751	10	"	inc. 25c day	250	"	"
9 3/4	"	2 60	"	"	818		813	10	"	neither	no	"	"
9 3/4	"	2 40	"	"	751		751	10	"	"	"	"	"
10	"	2 00	"	"	623		626	10	"	"	"	"	"
10	"	2 50	"	"	782		782	10	dec. 50c day	"	"	"	"
9 3/4	"	2 75	"	"	860		860	10	neither	neither	100	"	"
9 3/4	"	1 50	"	"	469		469	10	"	"	no	"	"
9 3/4	"	1 50	"	"	469		469	10	"	inc. 25c day	"	"	"
9 3/4	"	0 75	"	"	284		284	10	"	25c	"	"	"
9 3/4	"	0 75	"	"	284		284	10	"	"	"	"	worse
9 3/4	"	1 75	"	"	547		547	10	"	"	"	"	"
11	"	1 75	"	"	364		364	10	"	"	"	"	"
9 3/4	"	1 75	"	"	547		547	10	"	inc. 25c day	"	"	"
9 3/4	"	1 50	"	"	469		469	10	"	neither	"	"	"
9 3/4	"	1 50	"	"	469		469	10	"	"	"	"	"
9 3/4	"	1 50	"	"	469		469	10	"	neither	"	"	"
9 3/4	"	1 50	"	"	469		469	10	"	"	"	"	"
10	"	1 70	"	"	532		532	10	"	"	"	"	"
10	"	2 00	"	"	364		364	10	"	"	yes*	same	"
10	"	2 00	"	"	52		52	10	"	"	no	worse	"
11	"	2 00	"	"	626		626	10	decrease	decrease	"	"	"
11	"	2 25	"	"	715		715	10	neither	neither	"	"	"
9 3/4	"	1 50	"	"	469		469	10	"	"	50	"	"
9 3/4	"	2 25	"	"	704		704	10	"	neither	no	"	"
9 3/4	"	2 50	"	"	782		782	10	"	"	"	"	"
9 3/4	"	2 00	"	"	626		626	10	"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.			Months.	Days.	
2504	Marquette	Blacksmith.	D.S.S. & A.	Scotch	44	m	2	7	10	12			
2505	"	"	"	Eng.	46	"	2	8	10	12			
2524	"	Tinner	"	Can.	29	"	2	9	10	12			
2525	"	Yard master	"	Am.	"	"	2	11	12	12			
2526	"	Ass't yd m'r	"	Can.	48	"	2	5	10	10			
2527	"	Yard master	"	"	32	"	2	3	10	10			
2528	Holan	"	"	Am.	17	s	2	14	14	6	6		Sickness
2529	Marquette	Switchman	"	Can.	"	"	2	10	12	12			
2530	"	"	"	Am.	29	m	2	3	10	10			
2531	Ishpeming	"	"	"	33	s	2	12	12	12			
2532	"	"	"	"	23	"	2	10	13	12			
2533	"	"	"	"	38	m	2	12	13	12			
2534	"	"	"	"	36	s	2	12	13	12			
2535	Negaunee	"	"	"	32	m	2	10	11	9½	2½		
2536	"	"	"	"	22	s	2	10	10	8	4		Pleasure
2537	"	"	"	"	22	"	2	10	10	9	3		Lack of work
2538	"	"	"	"	23	"	2	11	11	4½	7½		
2539	Marquette	"	"	French	35	m	2	5	10	12			
2540	"	"	"	Am.	39	"	2	5	10	12			
2541	"	"	"	Can.	34	s	2	"	12	7	5		Lack of work
2542	Ishpeming	"	"	Am.	23	"	2	10	13	12			
2543	"	"	"	Swede.	33	"	2	10	12	12			
2544	Marquette	"	"	Eng.	36	m	2	6	11	11			
2545	"	"	"	Irish	53	"	2	4	10	10			
2546	"	"	"	French	36	"	2	4	10	10			
2547	"	"	"	"	32	"	2	3	10	10			
2618	Ishpeming	Car inspec'r	"	Am.	43	"	2	4	10	10			
2619	Marquette	"	"	Eng.	52	"	2	2	11	11			
2620	Republic	"	"	"	31	"	2	1	10	10			
2621	Humbolt	"	"	Can.	24	s	2	1	10	10			
2622	Marquette	"	"	Am.	21	"	2	1	11	11			
2623	"	"	"	"	43	m	2	3	9	11			
2624	"	Oiler	"	"	36	s	2	"	10	10	6		Lack of work
2625	"	Wiper	"	"	31	"	2	"	10	10			
2626	"	"	"	Can.	60	m	2	7	"	10			
2627	"	"	"	Swede.	25	s	2	"	10	10			
2628	Ishpeming	"	"	Am.	31	m	2	1	11	11			
2629	Marquette	"	"	Pole.	22	s	2	1	11	11			
2630	"	"	"	Swede.	25	"	2	1	11	11			
2631	Ishpeming	"	"	Am.	24	"	2	1	11	11			
2632	Marquette	"	"	Swede.	24	"	2	1	10	10			
2633	"	"	"	"	22	"	2	1	10	10			
2634	"	"	"	Finn.	40	m	2	5	10	10			
2635	"	"	"	Swede.	31	"	2	1	10	10			
2636	"	"	"	"	22	s	2	1	10	10			
2637	"	"	"	Pole.	27	"	2	1	10	10			
2638	"	"	"	Irish	55	m	2	2	11	11			
2639	"	"	"	"	32	"	2	1	10	10			
2640	"	"	"	Pole.	50	"	2	4	10	10			
2641	Ishpeming	"	"	Swede.	20	s	2	1	11	11			
2642	Humbolt	"	"	Am.	20	"	2	1	10	10			
2643	St. Ignace	"	"	Irish	43	m	2	7	10	10			
2644	Marquette	"	"	Am.	20	s	2	1	10	10			
2645	"	"	"	Pole.	29	"	2	1	10	10			
2646	St. Ignace	"	"	Am.	20	"	2	1	10	10			
2647	Marquette	Hostler	"	Dutch	31	m	2	2	12	6	6		Sickness
2648	"	Watchman	"	Irish	53	"	2	4	13	13			
2649	Negaunee	"	"	Am.	20	s	2	2	11	7			
2650	Marquette	"	"	Swede.	53	m	2	2	12	8	4		"
2651	"	"	"	"	41	"	2	2	12	12			
2652	Ishpeming	"	"	"	23	s	2	12	12	12			
2653	Marquette	"	"	Irish	66	m	2	12	12	7	5		"
2654	St. Ignace	"	"	"	27	"	2	12	12	12			
2655	Ishpeming	"	"	Am.	22	s	2	12	12	12			
2656	Sault Ste. M.	Sec. forem'n	"	"	33	m	2	1	10	10			
2657	Montreal	"	"	Irish	33	s	2	10	10	11	1		Sickness

* Did not want to work.

Railway Employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
9	day	\$3 00	yes*	mo.	\$939		\$939	10	neither	neither	no	worse	worse
9	day	2 20	"	"	688		688	10	"	"	"	"	"
9	day	2 25	"	"	704		704	10	"	neither	"	"	"
11	mo.	100 00		"	1,200		1,200		"	"	\$250	"	"
10	"	80 00		"	960		960	10	"	inc. 30c day	no	"	"
10	"	80 00		"	960		960		"	\$5 mo.	"	"	"
14	"	40 00		"	240		240		"	"	"	"	"
11	day	2 00	yes*	"	628	\$70	696	10	"	"	"	"	"
10	day	2 70	"	"	845		815	10	"	inc. 45c day	250	same	better
12	"	2 30	"	"	720		720	10	"	"	no	worse	worse
12	"	2 30	"	mo.	720		720	10	neither	neither	"	"	"
12	"	2 30	"	"	720		720	10	"	"	"	"	"
12	"	2 30	"	"	720		720	10	"	inc. 30c day	"	"	"
12	"	2 30	"	"	568		568	10	"	"	"	"	"
	"	2 30	"	"	478		478	10	"	"	"	"	"
	"	2 30	"	"	538		538		"	"	"	"	"
	"	2 30	"	"	299		299		"	"	"	"	"
11	"	2 00	"	mo.	626	120	746	10	neither	neither	"	worse	worse
11	"	2 00	yes*	"	626	60	686	10	"	"	"	"	"
12	"	2 00	"	"	364		364	10	"	"	"	"	"
11	"	2 30	"	"	720		720	10	"	"	"	"	"
11	"	2 30	"	"	720		720	10	"	"	"	"	"
11	"	1 90	"	"	595	60	655	10	"	"	"	"	"
10	"	1 80	"	"	595	92	687	10	"	"	"	"	"
10	"	2 30	"	"	720		720	10	"	inc. 20c day	no	"	"
10	"	2 30	"	"	720		720	10	"	20c	"	"	"
10	mo.	75 00		"	900		900		"	neither	"	same	same
11	day	2 25	yes*	"	704	150	854	10	"	"	"	same	worse
10	"	1 70	"	"	532		532	10	"	"	"	"	"
10	"	1 70	"	"	532		532	10	"	"	"	"	"
11	"	1 70	"	"	532	50	582	10	"	neither	"	"	"
10	"	2 00	"	"	626		626	10	"	"	"	"	"
10	"	1 70	"	"	265		265	10	"	"	"	"	"
10	"	1 40	"	"	438		438	10	"	"	"	"	"
10	"	1 40	"	"	438		438		"	"	"	"	"
10	"	1 40	"	"	438		438		"	"	150	"	"
11	"	1 40	"	"	438		438		"	neither	no	"	"
11	"	1 40	"	"	438		438		"	"	250	same	same
11	"	1 40	"	"	438		438		"	"	150	worse	worse
11	"	1 40	"	"	438		438		"	"	no	"	"
10	"	1 40	"	"	438		438		"	"	"	same	"
10	"	1 40	yes*	"	438		438	10	"	"	"	worse	"
10	"	1 40	"	"	438		438	10	"	"	no	"	"
10	"	1 40	"	"	438		438		"	neither	"	"	"
11	"	1 50	"	"	469		469		"	"	"	"	worse
10	"	1 40	yes*	"	438		438	10	"	"	"	"	"
10	"	1 40	"	"	438		438	10	"	"	"	"	"
11	"	1 40	"	"	438		438		"	"	"	"	"
10	"	1 40	yes*	"	438		438	10	"	"	"	"	worse
10	"	1 40	"	"	438	10	448	10	"	"	"	same	"
10	"	1 40	yes*	"	438		438	10	"	decrease	"	worse	"
10	"	1 40	"	"	438		438		inc. 15c day	inc. 15c day	140	better	better
12	"	1 25	" 12 1/2c	"	391	15	406	10	neither	dec. 25c "	no	worse	worse
12	"	2 75	yes*	"	368		368	10	"	inc. 80c "	"	"	"
13	mo.	45 00	"	"	540		540		"	neither	"	"	worse
11	"	45 00	"	"	515		515		"	"	"	"	"
12	day	1 50	"	"	312		312		"	"	"	"	"
12	mo.	45 00	"	"	540		540		"	"	"	"	"
12	"	40 00	"	"	480		480		"	"	"	"	"
12	"	50 00	"	"	350		350		"	neither	300	"	"
12	"	50 00	"	"	600		600		inc. \$5 mo.	"	"	"	"
12	"	40 00	"	"	480		480		neither	"	no	worse	"
10	"	60 00	"	"	720		720		"	"	250	"	"
10	"	50 00	"	"	550		550		"	"	200	same	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.			Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.	Days.	
2658	St. Ignace	Sec. forem'n	D. S. S. & A.	French	34	m	2	3	10	10	12			
2659	"	"	"	Am.	34	"	2	3	10	10	12			
2660	Eagle Mills	"	"	Ger.	37	"	2	3	10	10	9	3		Vacation
2661	"	"	"	Swede.	22	s	2	3	10	10	3			Other work.
2662	Ishpeming	"	"	Can.	31	m	2	4	10	13	12			
2663	Marquette	"	"	Pole	35	"	2	3	10	10	12			
2664	Ishpeming	"	"	Can.	45	"	2	4	10	10	12			
2665	Negaunee	"	"	Swede.	42	"	2	6	10	10	12			
2666	Eagle Mills	"	"	Can.	40	"	2	3	10	10	12			
2667	Ishpeming	"	"	Swede.	35	"	2	3	10	10	12			
2668	Stoneville	"	"	French	39	"	2	3	10	10	12			
2669	Ishpeming	"	"	Am.	40	s	2	3	10	10	12			
2670	Republic	"	"	Irish	40	"	2	3	10	10	12			
2671	"	"	"	Can.	30	"	2	3	10	10	12			
2672	Greenwood	"	"	"	42	m	2	4	10	10	12			
2673	Humbolt	"	"	Am.	35	s	2	3	10	10	12			
2674	Champion	Sectionman	"	Can.	35	m	2	3	10	10	12			
2675	Humbolt	"	"	French	41	"	2	5	10	10	12			
2676	Onota	"	"	Can.	43	"	3	4	10	10	12			
2677	Marquette	"	"	Nor.	25	s	2	3	10	10	12			
2678	"	"	"	Pole	41	m	2	6	10	10	12			
2679	St. Ignace	"	"	Am.	46	w	3	4	10	10	12			
2680	Marquette	"	"	Pole	25	s	2	3	10	10	5	7		Sick & l. of w.
2681	Sault St. Marie	"	"	Swede.	45	m	2	2	10	10	8	4		Lack of work
2682	"	"	"	Am.	22	s	2	1	10	10	8	4		"
2683	St. Ignace	"	"	Pole	42	m	2	1	10	10	12			
2684	Bessemer	"	"	"	21	s	2	1	10	10	12			
2685	"	"	"	"	21	s	2	1	10	10	12			
2686	Marquette	"	"	Dane	28	"	2	2	10	10	12			
2687	"	"	"	Swede.	35	m	2	2	10	10	12			
2688	"	"	"	Pole	22	s	2	2	10	10	12			
2689	"	"	"	Finn.	23	"	2	2	10	10	12			
2690	Eagle Mills	"	"	French	22	"	2	2	10	10	9	3		
2691	"	"	"	Norw.	56	"	2	2	10	10	12			
2692	Ishpeming	"	"	Can.	38	"	2	2	10	10	12			
2693	"	"	"	French	35	m	2	4	10	10	12			
2694	"	"	"	"	36	s	2	4	10	10	12			
2695	Baraga	"	"	Swede.	22	"	2	4	10	10	12			
2696	Iron Bridge	"	"	Irish	28	"	2	4	10	10	12			
2697	Michigamme	"	"	Swede.	37	m	2	1	10	10	8	4		Sick & l. of w.
2698	Ishpeming	"	"	Can.	21	"	2	1	10	13	12			
2699	"	"	"	"	19	"	2	1	10	13	12			
2700	"	"	"	Finn.	35	m	2	4	10	13	12			
2701	"	"	"	Can.	25	s	2	4	10	13	12			
2702	"	"	"	"	52	m	3	4	10	13	12			
2703	"	"	"	Finn.	52	"	2	3	10	13	12			
2704	Marquette	"	"	Swede.	38	"	2	2	10	10	12			
2705	"	"	"	"	33	s	2	2	10	10	12			
2706	"	"	"	"	41	"	2	2	10	10	7	5		Lack of work
2707	"	"	"	Pole	38	"	2	2	10	10	12			
2708	Eagle Mills	"	"	Can.	35	"	2	2	10	10	12			
2709	"	"	"	Swede.	24	"	2	2	10	10	12			
2710	Negaunee	"	"	Irish	32	"	2	2	10	10	12			
2711	Eagle Mills	"	"	Am.	28	"	1	5	10	10	12			
2712	Houghton	"	"	Scan.	38	w	1	5	9	10	10	2		Lack of work
2713	"	"	"	Swede.	36	m	4	4	10	10	11	1		"
2714	Greenwood	"	"	Can.	34	s	2	4	10	10	12			
2715	Humbolt	"	"	"	35	"	2	4	10	10	12			
2716	"	"	"	French	37	m	2	1	10	10	12			
2717	"	"	"	Finn.	38	"	2	1	10	10	12			
2718	Ishpeming	"	"	"	42	m	2	5	10	10	12			
2719	"	"	"	"	38	s	2	5	10	10	12			
2720	"	"	"	Swede.	28	"	2	5	10	10	12			
2721	Humbolt	"	"	Am.	32	"	2	5	10	10	12			
2722	"	"	"	Swede.	36	"	2	5	10	10	12			
2723	Greenwood	"	"	Am.	33	"	2	5	10	10	12			

Railway Employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any in-crease or decrease in wages during the past year. If so, how much.	Has there been any in-crease or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
16	mo.	\$50 00		mo.	\$800	\$800			neither	neither	no	same	same
10	"	60 00		"	720	720			"	inc. \$5 mo.	\$300	"	worse
10	"	45 00		"	405	405			"	neither	200	"	"
10	"	45 00		"	135	135			"	"	60	"	"
11 1/4	"	50 00		"	600	600			"	"	"	"	"
10	"	50 00	yes*	mo.	600	600	10		neither	neither	no	"	"
10	"	50 00		"	600	600			"	"	"	"	"
10	day	2 00	yes*	"	628	628	10		"	"	"	"	"
10	mo.	50 00		"	600	600			"	neither	"	"	"
10	"	45 00		"	540	540			"	"	"	"	"
10	"	50 00		"	600	600			"	"	"	"	"
10	"	50 00		"	600	600			"	neither	"	"	"
10	"	60 00		"	720	720			"	"	"	"	"
10	"	45 00		"	540	540			"	"	"	"	"
10	"	50 00		"	600	600			"	"	"	"	"
10	"	50 00		"	600	600			"	"	"	"	"
10	"	45 00		"	540	540			"	"	"	"	"
10	"	50 00		"	600	600			"	"	"	"	"
10	"	50 00		"	600	600			"	"	"	"	"
10	"	65 00		"	780	780			"	"	"	"	"
10	day	60 00		"	720	720			inc. \$10 mo.	inc. \$10 mo.	no	same	better
10	"	1 50		"	470	470	10		inc. 25c day	neither	"	worse	worse
10	"	1 25	yes*	"	163	163	10		neither	neither	"	"	"
10	mo.	45 00		"	540	540			"	neither	"	"	"
10	day	1 25		"	260	260			"	"	"	"	"
10	"	1 50		"	312	312	10		inc. 25c day	"	"	better	"
10	"	1 40	hr. 12c	"	488	488	10		15c	neither	75	worse	"
10	"	1 40		"	438	438	10		neither	"	100	"	"
10	"	1 25	yes*	"	391	391	10		dec. 25c day	"	"	"	"
10	"	1 25		"	391	391	10		25c	"	"	"	"
10	"	1 25	"	"	391	391	10		neither	"	"	"	"
10	"	1 25		"	290	290	10		"	neither	75	same	same
10	"	1 25		"	391	391	10		"	"	100	worse	worse
10	"	1 25		"	391	391	10		"	dec. 25c day	no	"	"
10	"	1 25		"	391	391	10		"	" 25c	"	"	"
10	"	1 25		"	391	391	10		"	" 25c	"	"	"
10	"	1 25	hr. 12 1/2c	"	391	391	10		"	neither	"	"	"
10	"	1 25	hr. 12 1/2c	"	391	391	10		"	"	"	"	"
10	"	1 25	hr. 12 1/2c	"	391	391	10		"	"	"	"	"
11 1/4	"	1 25	yes*	"	391	391	10		"	"	"	"	"
11 1/4	"	1 25		"	391	391	10		"	"	"	"	"
11 1/4	"	1 25		"	391	391	10		"	"	"	"	"
11 1/4	"	1 25		"	391	391	10		"	"	"	"	"
11 1/4	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		mo.	391	391	10		neither	dec. 25c day	"	"	"
10	"	1 25		"	391	391	10		dec. 25c day	"	"	"	"
10	"	1 25		"	228	228	10		neither	"	"	same	"
10	"	1 25		"	391	391	10		"	dec. 15c day	"	worse	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	neither	"	"	worse
10	"	1 25		"	391	391	10		"	"	"	"	"
9 1/2	"	1 25	hr. 12 1/2c	"	391	391	10		"	dec. 15c day	"	"	"
10	mo.	32 50	hr. 12 1/2c	"	358	358	10 1/2		dec. 10%	" 15c	100	"	"
10	day	1 25	yes*	"	391	391	10		neither	neither	"	"	"
10	"	1 25		"	391	391	10		"	"	no	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"
10	"	1 25		"	391	391	10		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
2724	Humbolt.....	Sectionman.	D. S. S. & A.	Swede.	29	s			10	10 12				
2725	"	"	"	"	37	s	2	3	10	10 12				
2726	Champion.....	"	"	Can.	38	s			10	10 12				
2727	Greenwood.....	"	"	"	37	s	2	2	10	10 12				
2728	Republic.....	"	"	"	45	s	2	7	10	10 12				
2729	"	"	"	"	32	s			10	10 12				
2766	Marquette.....	Stevedore	"	Swede.	31	s			13 5	13 5	7			Sickness
2787	"	"	"	"	34	m	2	2	12	6	6			Lay off
2788	"	"	"	"	22	s			13	6	6			Lack of work.
2789	"	"	"	"	24	s				6	6			
2790	"	"	"	"	34	s			12	10 12				
2791	"	"	"	"	27	s			10	7	5			Lack of work.
2792	"	"	"	"	26	m	2	2	10	7	5			"
2793	"	"	"	"	36	s	2	2	10	6 1/2	5 1/2			"
2794	"	"	"	"	22	s			10	7	5			"
2796	"	"	"	Fin.	19	s			10	6	6			"
2796	"	"	"	Pole.	50	w	1	2	10	5	7			Sick, lack w'k
2797	"	"	"	Swede	30	m			10	7	5			Lack of work.
2798	"	"	"	"	23	s				7	5			"
2799	"	"	"	"	32	s			10	7	5			"
2800	"	"	"	"	27	m			10	7	5			"
2801	"	"	"	Swede	40	s	2	3	10	3	7			Sick, lack w'k
2802	"	"	"	"	22	s			10	6	6			Sickness
2808	"	"	"	"	31	s			10	7	5			Lay off
2804	"	"	"	"	36	m	2	3	10	6	6			Lack of work.
2806	"	"	"	"	32	s			10	7	5			"
2806	"	"	"	"	30	s			10	7	5			Lay off
2807	"	"	"	"	28	m	2	3	10	7	5			Lack of work.
2808	"	"	"	"	36	s	2	4	10	12				"
2809	"	"	"	"	20	s			10	7	5			"
2810	"	"	"	"	26	s			10	12				"
2811	"	"	"	"	46	s			10	5	7			Lack of work.
2812	"	"	"	"	33	m	2	2	10	6	6			"
2818	"	"	"	"	31	s	2	2	10	7	5			"
2814	"	"	"	"	32	s			10	7	5			"
2815	"	"	"	"	24	s			10	7	5			Lack of work.
2816	"	"	"	"	33	m	2	3	10	10	2			"
2817	"	"	"	"	43	s			10	6	6			Lay off
2818	"	"	"	"	25	s			10	5	7			Sick, lack w'k
2819	"	"	"	"	20	s			10	4	8			"
2820	"	"	"	Pole	31	s			10	7	5			Lack of work.
2821	"	"	"	"	38	m	2	2	10	6	6			"
2822	"	"	"	Swede	35	s	2	1	12	6	6			"
2823	"	"	"	"	38	s			12	7				"
2824	Humbolt.....	Coal handler	"	"	25	s			10	10 12				
2825	"	"	"	"	31	m	2	2	10	10 12				
2826	Marquette.....	Stevedore	"	Am.	36	s			10	7	5			Lack of work.
2827	"	"	"	Irish	26	s	2	1	10	7	5			"
2828	"	"	"	Swede	26	s			12	6	6			"
2829	"	Ore handler	"	"	28	s			12	7	5			"
2830	"	"	"	Irish	62	m	2		12	6	6			"
2831	"	"	"	Fin.	29	s			12	6	6			"
2832	"	"	"	Irish	48	m	2	5	12	7	5			Lack of work.
2832	"	Stevedore	"	Bel.	22	s			10	2	10			"
2838	"	Ore handler	"	"	32	s			10	5	7			"
2834	"	"	"	Irish	47	m	2	2	10	10 12				"
2835	"	"	"	Pole	27	s			10	10 8	4			Lack of work.
2836	"	"	"	Fin.	32	s			12	12 12				"
2837	"	"	"	"	25	s			10	10 12				"
2838	"	"	"	"	25	s			10	10 12	2			Pleasure
2839	"	"	"	Am.	19	s			10	10 12				"
2840	"	"	"	Nor.	19	s			10	10 12				"
2841	"	"	"	Pole	31	m	2	1	12	5	7			Lack of work.
2841	"	"	"	Swede	33	s	2	1	10	10 12				"
2848	"	Laborer	"	Irish	39	s	2	4	10	8	4			Lack of work.
2899	"	"	"	Swede	28	s	2	2	10	10 12				"
2900	"	"	"	Am.	42	s			10	10 12				"
2901	"	"	"	Ger.	38	m	2		9	10 12				"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 25	yes*	mo.	\$391		\$391	10	neither	neither	\$100	worse	worse
10	"	1 25	"	"	391		391	10	"	"	no	"	"
10	"	1 25	"	"	391		391	10	"	"	"	"	"
10	"	1 25	"	"	391		391	10	"	"	"	"	"
10	"	1 25	"	"	391		391	10	"	"	"	"	"
10	"	1 25	"	"	391		391	10	"	"	"	"	"
12	ton	15	"	"	290		290		"	"	"	"	"
12	"	15	"	"	312		312		"	"	"	"	"
12	"	15	"	"	312		312		"	"	100	"	"
11	day	1 75	yes*	"	430		430	10	"	neither	no	"	"
10	"	1 75	"	"	318		318	10	"	"	150	"	"
10	"	1 75	"	"	318		318	10	"	"	no	"	"
10	"	1 75	"	"	295		295	10	"	"	no	"	"
10	"	1 75	"	"	318		318	10	"	neither	100	same	"
10	"	1 75	"	"	318		318	10	"	"	100	worse	"
10	"	1 75	"	"	273		273	10	"	"	yes*	same	"
10	"	1 75	"	"	227		227	10	"	"	no	"	worse
10	"	1 75	"	"	318		318	10	"	"	50	worse	"
10	ton	15	"	"	318		318		"	"	no	"	"
10	"	15	"	"	364		364		"	"	125	"	"
10	"	15	"	"	364		364		"	"	no	same	"
10	"	15	"	"	156		156		"	"	no	worse	"
10	"	15	"	"	312		312		"	"	"	"	"
10	day	2 00	"	"	364		364		"	"	"	same	"
10	ton	15	"	"	312		312		"	"	"	"	"
10	"	15	"	"	364		364		"	"	"	"	"
10	"	15	"	"	364		364		"	"	"	worse	"
10	"	15	"	"	364		364		"	"	200	same	"
10	"	15	"	mo.	391		391		"	neither	no	worse	"
10	"	15	"	"	365		365		"	"	"	"	"
10	"	15	"	"	500		500		"	"	200	"	"
10	"	15	"	"	250		250		"	"	no	"	"
10	"	15	"	"	312		312		"	"	"	"	"
10	"	15	"	"	364		364		"	"	"	"	"
10	"	15	"	"	364		364		"	"	"	"	"
10	"	15	"	"	365		365		"	"	"	same	"
10	"	15	"	"	390		390		"	"	"	worse	"
10	"	15	"	"	312		312		"	"	yes*	"	"
10	"	15	"	"	260		260		"	"	no	"	"
10	"	15	"	"	208		208		"	"	"	"	"
10	"	15	"	"	394		394		"	"	"	"	"
10	"	15	"	"	312		312		"	"	"	same	"
12	"	15	"	"	312		312		"	"	"	worse	"
12	"	15	"	"	394		394		"	"	200	"	"
10	"	12	"	"	547		547		"	"	no	"	"
10	"	12	"	"	547		547		"	"	"	"	"
10	day	1 50	yes*	"	278		278	10	"	neither	"	"	"
10	"	1 50	"	"	278		278	10	"	"	"	"	"
12	"	1 50	"	"	234	\$20	254	10	"	neither	"	"	"
12	"	1 50	"	"	273	30	303	10	"	"	"	"	"
12	"	1 50	"	"	234	25	259	10	"	neither	"	"	"
12	"	1 50	"	"	293	35	328	10	"	"	"	"	"
10	"	1 60	"	"	83		83	10	"	neither	"	"	"
10	"	1 60	"	"	195		195	10	"	"	"	"	"
10	"	1 60	yes*	"	500		500	10	"	neither	100	"	"
10	"	1 50	"	"	312		312	10	"	"	no	"	"
12	"	1 50	"	"	470	75	545	10	"	"	"	same	same
10	"	1 50	yes*	"	470		470	10	"	"	"	worse	worse
10	"	1 50	"	"	390	10	400	10	"	"	no	"	"
10	"	1 50	"	"	470		470	10	"	"	"	"	"
12	"	1 50	"	"	195	35	230	10	"	neither	150	"	"
10	"	1 50	"	"	470		470	10	"	"	no	"	"
10	"	1 50	"	"	312		312	10	"	"	"	worse	worse
10	"	1 50	"	"	470		470	10	"	neither	"	"	"
10	"	1 50	"	"	470		470	10	"	"	"	"	"
9 1/2	"	1 50	"	"	470		470	10	"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroads where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
2902	Marquette	Laborer	D., S. S. & A.	Irish	19	s			9	10	2	10		Oth'r business
2903	"	"	"	Nor.	27	m		1	10	10	10			Lack of work
2904	"	"	"	Eng.	28	s				10	8		4	"
2905	"	"	"	Scotch	45	w	1	6	9	10	12			"
2906	"	"	"	Eng.	44	m			9	10	12			"
2907	"	"	"	Am.	18	s			9	10	4	8		Lack of work
2908	"	"	"	Swede.	29	"			10	10	10	2		"
2909	"	"	"	Pole	22	"			10	6	6	6		"
2910	"	"	"	Swede.	45	w	1	6	10	10	12			"
2911	"	"	"	"	34	m			10	10	12			"
2912	"	"	"	Eng.	24	s			10	9		3		Lack of work
2913	"	"	"	Pole	50	w	1	2	10	10	12			"
2914	"	"	"	"	42	m			12	7		5		Sickness
2915	"	"	"	Can.	62	"		1	10	10	12			"
2916	"	"	"	Nor.	63	"		2	10	10	12			"
2917	"	"	"	Can.	54	s			10	10	12			"
2918	"	"	"	Swede.	40	m			10	10	12			"
2919	"	"	"	"	32	s			10	10	8	4		Lack of work
2920	"	"	"	"	57	m	3	1	10	10	10	2		"
2921	"	"	"	Can.	28	s			10	11	12			"
2922	"	"	"	Swede	35	m		5	10	10	10	2		"
2923	"	"	"	Pole	45	"			10	10	12			"
2924	"	"	"	Swede		s			12	12	12			"
2925	"	"	"	Pole	55	w	1	1	10	10	12			"
2926	St. Ignace	"	"	Finn	26	m		2	10	10	11	15		Lack of work
2927	Eagle Mills	"	"	French	20	s			10	10	11	1		"
2928	Negaunee	"	"	Am.	36	"			10	10	12			"
2929	"	"	"	Swede	35	"			10	10	12			"
2930	"	"	"	Can.	40	"			10	10	12			"
2931	Marquette	"	"	Am.	16	"			9	10	7	5		Lack of work
2932	"	Eng. coaler	"	Can.	26	m		2	15	12	12			"
2933	"	R'd master	"	Nor.	30	"		2	10	10	12			"
2934	"	Br. builder	"	"	26	s			10	11	11	20		Bad weather.
2935	Ishpeming	R. H. f'man	"	Can.	35	m		3	14	14	12			"
2936	Houghton	Tankman	"	Am.	40	s			12	12	12			"
2937	Humbolt	"	"	"	28	"			10	10	12			"
2938	Marquette	Eng. f'man.	"	Can.	30	m	2		10	10	12			"
2939	"	"	"	Irish	33	"	2	5	10	11	12			"
2940	"	" dis.	"	Scotch	31	"	2	3	12	12	11	1		Sickness
2941	"	Car f'man.	"	Am.	31	"	2	2	11	11	12			"
2942	"	Foreman	"	"	35	"			10	10	12			"
2943	"	Fireman	"	"	21	s			13	13	12			"
2944	St. Ignace	Transfer f'm.	"	"	33	m		4	10	10	12			"
2945	Negaunee	Weighmaster	"	"	23	s			10	10	12			"
2946	Marquette	"	"	"	25	"			10	12	12			"
2947	"	F'm scales.	"	French	45	m		5	10	12	12			"
2948	"	Yard office.	"	"	16	s			10	5		7		Lack of work
2949	"	Let. carrier.	"	Am.	14	"			10	7		5		"
2950	"	Ticket sort.	"	"	16	"			8	8	12			"
2951	"	Call boy	"	"	19	"			10	10	11	1		Lack of work
2953	Detroit	Engineer	*	"	41	m	2		12	12	12			"
2954	"	"	"	"	36	"		1	10	10	12			"
2955	"	"	"	"	52	"	2	3	12	12	12			"
2956	"	"	"	"	32	"	2	1	12	12	12			"
2957	"	"	"	"	27	"	2	2	11	11	12			"
2958	"	Foreman	"	"	23	s			11	11	12			"
2959	Windsor, Ont.	"	"	"	28	m	2	2	12	12	12			"
2960	Detroit	Agent	"	"	50	w	1	2	10	10	12			"
2961	Delray	"	"	"	34	m	2	1	12	12	12			"
2962	Detroit	And'ts sec.	"	Eng.	38	"			10	10	12			"
2963	"	Clerk	"	Am.	23	s			8	8	12			"
2964	"	"	"	"	19	"			10	10	8	9		Att'nd g school
2965	"	"	"	"	22	"			8	8	12			"
2966	Springwells	"	"	"	39	m	2	3	10	10	12			"
2967	Detroit	"	"	Can.	22	s			9	9	12			"

* Union Station Association.

Railway employes.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per.		Regular time.	Overtime.	Total.						
9½	day	\$1 50	yes*	mo.	\$79	\$79	10	neither	neither	no	worse	worse
10	"	1 50	"	"	380	380	10	"	"	"	same	better
9½	"	1 75	"	"	364	364	10	"	inc. 25c day	"	worse	worse
9½	"	1 75	"	"	547	547	10	"	"	"	"	"
9½	"	1 50	"	"	470	470	10	"	"	"	"	"
9½	"	1 50	"	"	156	156	10	"	"	"	"	"
10	"	1 50	"	"	380	380	10	"	neither	"	"	"
10	"	1 50	"	"	284	284	10	"	"	"	"	"
10	"	1 50	"	"	470	470	10	"	neither	"	"	"
10	"	1 50	"	"	470	470	10	"	"	"	"	"
10	"	1 50	"	"	351	351	10	"	"	"	same	same
10	"	1 50	"	"	470	470	10	"	neither	"	worse	worse
12	"	1 80	"	"	291	291	10	"	"	"	"	"
10	"	1 50	"	"	470	470	10	"	"	"	worse	worse
10	"	1 50	"	"	470	470	10	"	"	"	"	"
10	"	1 50	"	"	470	470	10	"	"	"	same	same
10	"	1 50	"	"	470	470	10	"	"	"	worse	worse
10	"	1 50	"	"	312	312	10	"	"	"	"	"
10	"	1 50	"	"	380	380	10	"	"	"	"	"
11	"	1 80	"	"	500	500	12	"	"	"	"	"
10	"	1 80	"	"	380	380	10	"	"	"	"	"
10	"	1 50	"	"	470	470	10	"	"	"	"	"
12	"	1 80	"	"	500	500	12	"	"	"	"	"
10	"	1 50	"	"	470	470	10	"	"	"	"	"
10	"	1 50	"	"	442	442	10	"	"	"	"	"
10	"	1 25	"	"	375	375	10	"	neither	125	"	"
10	"	1 25	yes*	"	391	391	10	"	"	no	"	worse
10	"	1 25	"	"	391	391	10	"	"	"	"	"
10	"	1 25	"	"	391	391	10	"	neither	"	"	"
9½	"	1 75	"	"	137	137	10	"	"	"	"	"
12½	mo.	55 00	"	"	680	680	10	"	"	100	"	"
10	"	85 00	"	"	1,020	1,020	10	"	"	no	"	"
10	day	2 50	"	"	733	733	10	inc. 25c day	inc. 75c day	200	same	better
14	mo.	80 00	"	"	980	980	10	"	"	no	worse	worse
12	day	2 00	"	mo.	628	628	10	neither	neither	50	"	"
10	mo.	40 00	"	"	480	480	10	"	"	no	"	"
10	"	65 00	yes*	"	780	780	10	"	neither	"	"	"
10½	day	2 50	"	"	778	778	10	"	inc. 40c day	"	"	"
12	mo.	70 00	"	"	776	776	12	"	35c	"	"	"
11	day	2 50	"	"	778	778	10	"	60c	600	same	better
10	mo.	50 00	"	"	600	600	10	"	neither	no	worse	worse
12	day	2 35	"	"	736	736	11	"	inc. 55c day	"	"	"
10	mo.	55 00	"	"	660	660	10	"	"	"	"	"
10	day	1 40	"	"	438	438	10	"	"	"	"	"
11	mo.	75 00	"	mo.	900	900	10	neither	"	"	same	"
11	day	2 50	"	"	753	753	10	"	inc. 25c	"	worse	"
10	mo.	15 00	"	"	75	75	10	"	neither	"	same	"
10	"	15 00	"	"	105	105	10	"	"	"	worse	worse
8	"	20 00	"	"	240	240	10	"	"	"	same	"
10	day	1 00	yes*	"	286	286	10	"	"	"	worse	worse
12	mo.	83 33	"	"	1,000	1,000	12½	"	"	yes*	better	same
10	day	2 50	"	"	783	783	10	"	dec. \$200 yr	300	"	"
12	"	2 24	"	"	1,014	1,014	12	"	inc. 20%	no	worse	same
12	"	3 24	"	"	1,014	1,014	10	"	neither	400	better	"
11	"	2 70	"	"	845	845	11	"	inc. 20c day	100	same	better
11	"	1 80	"	"	501	501	11	"	10c	120	"	"
12	"	1 80	"	"	501	501	12½	"	"	yes*	"	same
10	mo.	60 00	"	"	720	720	10	"	"	no	worse	worse
12	"	50 00	"	"	600	600	10	dec. \$10 mo.	neither	250	better	better
8	mo.	70 00	"	"	840	840	10	inc. \$20 mo.	"	100	same	same
10	mo.	75 00	"	"	900	900	10	neither	"	no	better	same
8	"	50 00	"	"	600	600	10	"	"	yes*	same	"
10	"	45 80	yes*	"	540	540	10	"	"	100	better	better

Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
2968	Detroit.	Baggage apt	"	Am.	30	m	2	2	12	12	12				
2969	"	Porter	"	"	23	s			12	12	12				
2970	"	Baggage p'r	"	"	33	s			12	12	12	6			Lack of work
2971	"	Baggagem'n	"	"	26	m		1	12	12	12				
2972	"	Baggage chr	"	Welch	44	"			11	11	12				
2973	Delray	Baggagem'n	"	Am.	58	"	1	1	12	12	9	3			Lack of work
2974	Detroit	Baggage p'r	"	"	47	"	2	2	12	12	12				
2975	"	Checker	"	"	50	"	1	1	12	12	12				
2976	"	Car checker	"	Can.	31	"	1	1	12	12	12				
2977	"	"	"	Am.	34	"			10	10	10				
2978	"	For'n car d't	"	"	37	"	1	1	10	10	12				
2979	"	Carpenter	"	Ger.	32	"			10	10	12				
2980	"	"	"	Am.	27	"	2	2	10	10	10				
2981	"	Car repairer	"	Can.	43	"			10	10	10	2			Sickness
2982	"	Inspect.	"	Eng.	39	"			12	12	12				
2983	"	Yard master	"	Am.	30	"	2	2	12	12	12				
2984	"	Switchman	"	"	33	"			10	10	10				
2985	"	"	"	"	24	"			10	10	12				
2986	"	"	"	"	22	s			12	12	12				
2987	"	"	"	Can.	37	m	3	3	10	10	12				
2988	"	"	"	Am.	32	"	2	2	10	10	12				
2989	"	"	"	"	41	"			10	10	12				
2990	"	"	"	"	36	s	4	4	10	10	6	6			Sickness
2991	"	"	"	"	26	s			12	12	10				
2992	"	"	"	"	34	"			10	10	12				
2993	"	"	"	Can.	26	m	1	1	10	10	12				
2994	"	"	"	Am.	31	"	1	1	10	10	12				
2995	"	"	"	"	28	s			12	12	12				
2996	"	"	"	Irish	26	"			10	10	12				
2997	"	Leverman	"	Am.	30	"			8	8	12				
2998	"	Rd master	"	"	38	m			12	12	12				
2999	"	T'k foreman	"	"	41	"	8	8	10	10	12				
3000	"	Trackman	"	Irish	62	w	1	1	10	10	6	6			Lack of work
3001	"	Sectionman	"	Am.	37	m	3	3	10	10	10	2			
3002	"	Trackman	"	Scotch	53	s			10	10	12				
3003	"	"	"	Irish	62	w	3	2	10	10	12				
3004	"	"	"	Can.	18	s			10	10	12				
3005	"	"	"	Ger.	44	"			10	10	12				
3006	"	Car cleaner	"	Am.	29	"			10	10	8	4			Lack of work
3007	"	"	"	"	27	"			10	10	12				
3008	"	"	"	Ger.	36	m	3	3	10	10	12				
3009	"	"	"	"	46	"	2	2	10	10	12				
3010	"	"	"	"	56	"	3	3	10	10	12				
3011	"	"	"	"	29	s			10	10	12				
3012	"	"	"	"	32	m	2	4	10	10	12				
3013	"	"	"	"	57	"	4	4	10	10	12				
3014	"	"	"	Am.	39	s			10	10	12				
3015	"	"	"	Ger.	22	"			10	10	12				
3016	"	"	"	"	36	m	4	4	10	10	12				
3017	"	"	"	"	45	"	4	4	10	10	12				
3018	"	"	"	"	19	s			10	10	12				
3019	"	Oiler	"	Eng.	22	"			10	10	12				
3020	"	Trucker	"	Am.	21	"			10	10	12				
3021	"	"	"	Ger.	24	m			10	10	12				
3022	"	Watchman	"	Eng.	55	"	4	4	12	12	12				
3023	Springwells	Laborer	"	Am.	38	"	4	4	10	10	11	1			Sick. & l. of w.
3024	Detroit	"	"	Ger.	41	"	2	2	10	10	10	2			Lack of work
3025	"	D't master	"	Am.	41	"			12	12	12				
3026	"	Porter	"	"	22	s			10	10	12				
3027	"	Usher	"	Can.	35	m	1	1	10	10	12				
3028	"	Ticket insp.	"	Am.	59	"	2	2	12	12	12				
3030	Grand Rapids	Conductor	G. R. & I.	"	26	"	2	2			12				Sickness
3031	"	"	"	"	40	"	2	2			10	2			Pleasure
3032	"	"	"	"	42	"	2	2			11	1			
3033	Cadillac	"	"	"	34	"	1	1			10	2			Sickness

* Union Station Association.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
12	mo.	\$50 00		mo.	\$980		\$980		neither		no	better	better
12	"	40 00		"	490		490		"		\$50	same	
12	"	40 00		"	240		240		"		40	better	same
12	"	40 00		"	480		480		"		no	"	
11	"	68 00		"	780		780			neither	"	"	better
12	"	45 00		"	540		540		"		"	worse	worse
12	"	40 00		"	480		480		"		"	same	
12	"	45 00		"	540		540		"		"	worse	"
12	"	45 00		"	540		540		"		yes*	"	"
10	"	40 00		"	480		480		"		no	same	
10	"	60 00		"	720		720	10	"		yes*	better	same
10	"	56 00		"	672		672		"		100	same	better
10	"	60 00	yes*	"	720		720	10	"		no	same	
10	day	1 40		"	864	364	1228	10	"		"	worse	worse
12	mo.	45 00		"	540		540		"		"	better	better
12	"	48 00		"	1,056		1,056		"		inc. \$13 mo.	same	"
10	"	75 00	yes*	"	900		900	10	"		10	same	"
10	day	2 40		"	751		751	10	inc. \$10 mo.		no	"	same
12	mo.	45 00		"	540		540		neither		280	worse	worse
10	day	2 60	yes*	"	814	\$30	844	10		inc. \$10 mo.	no	same	better
10	"	2 40		"	751	30	781	10	"	5	60	worse	worse
10	mo.	75 00		"	900		900	10	"	10	no	same	same
10	"	75 00		"	450		450	10	"	10	"	better	better
11	day	2 00		"	751	100	851	10	"	increase	"	"	"
10	"	2 60		"	814	30	844	10	"	inc. \$15 mo.	same	same	same
10	"	2 40		"	751	60	811	10	"	15	200	"	better
10	"	2 50		"	783	90	873	10	"	15	no	"	"
12	mo.	45 00		"	540		540		"		no	better	worse
10	day	2 40	yes*	"	751	50	801	10	"		285	same	same
8	mo.	45 00		"	540		540		"		yes*	worse	"
12	"	58 33		"	1,000		1,000		"		no	same	"
10	"	60 00		"	720		720		"		no	"	"
10	day	1 20	yes*	"	187		187	10	"		75	worse	worse
10	"	1 20		"	512		512	10	"		"	"	"
10	"	1 20		"	376		376	10	"		"	same	"
10	"	1 25		"	391		391		"		no	"	same
10	"	1 25		"	391		391		"		"	"	"
10	"	1 25		"	391		391		"		"	worse	worse
10	"	1 20		"	250		250		"		"	"	"
10	"	1 20		"	376		376		"		100	"	"
10	"	1 20		"	376		376		"		no	same	same
10	"	1 20		"	376		376		"		no	"	"
10	"	1 20		"	375		375		"		175	"	"
10	"	1 20		"	375		375		"		115	"	"
10	"	1 20		"	375		375		"		no	"	"
10	"	1 20		"	375		375		"		"	worse	"
10	"	1 20		"	375		375		"		"	same	same
10	"	1 20		"	375		375		"		"	worse	worse
10	"	1 20		"	375		375		"		"	"	"
10	"	1 20		"	375		375		"		"	"	"
10	mo.	45 00		"	540		540		"		100	same	same
10	day	1 40	yes*	"	480		480	10	"		no	better	better
12	mo.	45 00		"	438		438	10	"		no	worse	worse
10	"	30 00		"	380		380		"		inc. \$5 mo.	same	same
10	day	1 20		"	312		312		"		neither	"	"
12	mo.	58 33		"	1,000		1,000		"		"	better	better
10	"	40 00		"	480		480		"		neither	same	"
10	"	40 00		"	480		480		"		"	"	"
12	"	50 00		"	600		600		"		yes*	"	same
12	trip	5 90	hr. 30c	"	750		750	11	inc. 70c trip	inc. 70c trip	no	better	better
12	"	5 90		"	650	21	671	11	70c	70c	"	"	worse
12	"	5 90		"	850		850	11	neither	increase	"	same	"
12	mo.	75 00		"	750		750	12	increase	"	"	worse	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3084	Cadillac	Conductor	G. E. & I.	Am.	22	m	2	1	10	10	11	1		Sickness.
3085	"	"	"	"	23	s					11½	13		"
3086	Grand Rapids.	"	"	"	31	m					11			Sickness
3087	"	"	"	"	33	"	1				11	1		Pleasure.
3088	"	"	"	"	33	"					11			"
3089	"	"	"	Am.	36	"	1	1	10	10	12			"
3040	"	"	"	"	42	"	9	5	10	10	12		3	"
3040a	"	"	"	"	39	"	2	5	9	11	11½		20	"
3041	"	"	"	"	38	s			10	10	12			"
3042	"	"	"	"	35	m			12	12	12			"
3043	"	"	"	"	34	"			12	12	12			"
3043a	"	"	"	"	32	"	4		12	12	12			"
3044	Cadillac	"	"	Ger.	26	s			11	11	11	1		Other business
3045	"	"	"	Am.	28	"			11	11	12		3	Sickness
3045a	Grand Rapids.	"	"	"	27	m	2		10	15	11	1		"
3046	Big Rapids.	"	"	"	42	"	3		10	10	12			"
3047	Grand Rapids.	"	"	"	40	"					12			"
3048	"	"	"	"	33	"	2				12	1		Pleasure.
3049	"	"	"	"	35	"			9	9	12			"
3050	"	Engineer	"	"	39	"	1	8	8	10	10	2		Other business
3051	"	"	"	"	45	s	1	10	10	10	12			Lack of work.
3052	"	"	"	"	48	"					12			"
3053	"	"	"	"	38	m	2	1			12			"
3054	"	"	"	"	37	"	2	2	9	9	12			"
3055	"	"	"	"	40	"					12			"
3056	"	"	"	"	40	"	2				11	1		Pleasure.
3057	Kalamazoo	"	"	"	42	"	2				11	1		Sickness
3058	Cadillac	"	"	"	34	"	2				11	1		Vacation
3059	Grand Rapids.	"	"	"	43	"	2				12			"
3060	Cadillac	"	"	"	42	"	2	2			11			Sickness
3061	Grand Rapids.	"	"	"	53	w	1	2			11	1		Pleasure
3062	Kalamazoo	"	"	"	42	m					12			"
3063	Grand Rapids.	"	"	"	42	"	2	1	10	10	12			"
3064	"	"	"	"	40	"	2		10	10	12			"
3065	"	"	"	"	38	s					11	1		Lack of work.
3066	"	"	"	"	38	m	2		10	10	10	2		Sickness
3067	"	"	"	"	37	"	3		10	10	10			"
3068	Big Rapids	"	"	"	82	"	1		12	12	12			"
3069	Grand Rapids.	"	"	"	35	"	2	1	12	12	10	2		Sickness
3070	Cadillac	"	"	"	34	"	2	1	11	11	11			"
3071	Kalamazoo	"	"	"	37	"	2	3			12	1		"
3072	Grand Rapids.	Fireman	"	"	23	s			9	9	8	4		Vacation
3073	"	"	"	"	29	"					12			"
3074	"	"	"	"	30	"					12			"
3075	"	"	"	"	29	"					11½	13		Vacation
3076	"	"	"	"	22	"					11	1		Sickness
3077	"	"	"	"	27	m	2	1	8	8	12			"
3078	"	"	"	"	37	"	2	1			12			"
3079	"	"	"	"	30	s					12			"
3080	"	"	"	"	31	"					12			"
3081	Fort Wayne	"	"	"	34	m	2	4			12			"
3082	Kalamazoo	"	"	"	34	"	2	2			11½	13		Vacation
3083	Grand Rapids.	"	"	"	30	s			10	10	12			"
3084	"	"	"	Can.	38	m	2	2	10	10	12			"
3085	"	"	"	"	42	"	2	2	10	10	12			"
3086	"	"	"	"	29	"	2	1	12	12	11	1		Lack of work
3087	"	"	"	"	43	"	2	1	10	10	10	2		Sickness
3088	"	"	"	"	43	"	2	1	10	10	10			Injured foot.
3089	Big Rapids	"	"	Irish	25	"	2		12	12	8	4		Sickness
3090	Cadillac	"	"	Am.	42	"	3	3	12	12	11½	13		Vacation
3091	Grand Rapids.	"	"	"	33	"	2	3	11	11	11½			"
3092	"	"	"	"	28	s			9	9	12			"
3093	"	"	"	"	23	"			10	10	12			"
3094	"	"	"	"	24	"			9	9	12			"
3095	"	"	"	"	24	"					12			"
3096	"	Brakeman	"	"	33	"					12	1		Vacation
3096	"	"	"	"	38	m	2	1	10	10	12			"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	mo. \$75 00	hr. 30c	mo.		\$325		\$325	12	increase	increase	\$100	better	better
12	" 75 00	" 30c	"	"	862		862	14	"	"	yes*	"	"
11	" 120 00	" 30c	"	"	1,440		1,440	10	neither	neither	500	worse	worse
11	" 130 00	" 30c	"	"	1,480		1,480	10	"	"	400	same	"
14	day 4 00	" 30c	"	"	\$112	880	880	12	"	increase	no	worse	"
10	" 3 65	yes*	"	"	829	60	889	10½	"	neither	250	"	"
10	" 2 65	"	"	"	821		821		"	"	no	same	—
9	mile 02.6	hr. 20c	"	"	840		840	10	"	"	no	worse	worse
10	day 3 00	yes*	"	"	980		980	10½	"	neither	300	"	"
12	" 3 25	"	"	"	1,017		1,082	10	"	inc. 70c day	400	same	better
10	" 3 50	yes*	"	"	1,095	120	1,115	10½	"	neither	150	worse	worse
12	" 2 70	hr. 25c	"	"	845		845	14	"	inc. 30c day	no	same	—
11	" 2 50	"	"	"	715		715		neither	neither	200	worse	worse
11	" 2 50	"	"	"	775		775		"	"	200	same	—
12	" 3 00	"	"	"	858		858	12	dec. \$35 mo.	"	no	worse	worse
10	" 2 35	"	"	"	785		785		neither	"	100	better	better
14	mo. 110 00	"	"	"	1,320		1,320		"	increase	400	same	same
15	trip 8 00	"	"	"	770		770	14	"	dec. \$7 mo.	200	better	better
9	" 8 00	"	"	"	1,000		1,000		"	neither	200	same	same
9	" 8 20	hr. 35c	"	"	1,280		1,280	10	"	"	yes*	"	"
10	" 4 35	yes*	"	"	1,400		1,400	12	"	neither	200	worse	worse
7	" 6 80	"	"	"	1,450		1,450		"	"	600	"	"
9	" 3 50	"	"	"	1,350		1,350		"	"	300	"	"
9	" 3 50	"	"	"	1,250		1,250		"	"	400	"	"
9	" 3 40	"	"	"	1,200		1,200		"	"	300	"	"
9	" 13 80	hr. 35c	"	"	1,500		1,500	8	"	increase	600	"	"
7	" 3 40	" 25c	"	"	1,064	80	1,064		"	neither	250	same	same
13	mo. 120 00	" 35c	"	"	1,320		1,320	15	"	"	500	better	better
12	" 100 00	" 35c	"	"	1,200		1,200	14	"	"	yes*	"	"
13	" 110 00	" 30c	"	"	1,210		1,210	15	"	"	400	worse	worse
8	" 110 00	" 35c	"	"	1,210		1,210	10	inc. \$5 mo.	inc. \$5 mo.	yes*	"	"
11	" 75 00	" 25c	"	"	900	25	925	10	neither	neither	200	same	same
10	day 2 90	yes*	"	"	907		907	10½	"	"	no	worse	worse
40	" 2 90	"	"	"	907	10	917	10½	"	"	100	"	"
10	" 3 75	"	"	"	1,172		1,172	12	"	dec. 30c day	700	"	"
10	" 2 90	"	"	"	754	25	779	10½	"	"	no	"	"
10	" 3 90	hr. 35c	"	"	780		780	12	"	"	75	same	same
12	" 2 00	" 25c	"	"	908	181	1,089	10	"	"	500	"	"
12	" 3 48	" 30c	"	"	865		865	10	"	inc. 49c day	200	worse	worse
11	" 3 19	"	"	"	912		912		"	increase	yes*	better	better
11	" 2 90	hr. 25c	"	"	905	25	933	10	"	neither	225	same	worse
9	trip 2 50	"	"	"	500		500		"	"	400	same	same
7	" 1 40	yes*	"	"	650	8	658	9	"	"	yes*	worse	worse
8	" 1 40	"	"	"	675	75	750	10	"	"	125	"	"
10	" 6 80	hr. 27c	"	"	750		750	9	"	"	100	"	"
11	" 6 80	"	"	"	710		710	12	"	"	100	better	"
8	" 2 10	hr. 17c	"	"	780		780	10	"	"	150	worse	"
9	" 1 80	"	"	"	720		720		"	"	50	"	"
7	" 2 00	"	"	"	800		800		"	"	350	"	"
	" 3 75	"	"	"	700		700		"	"	350	"	"
	" 2 10	hr. 20c	"	"	637	15	672		inc. 8c trip	increase	no	same	"
	" 2 10	" 20c	"	"	630	20	650		increase	neither	no	worse	same
13	mile 02.95	" 20c	"	"	725		725	12	inc. 60 100 mi	increase	"	"	worse
10	day 1 65	yes*	"	"	516		516	10½	neither	neither	"	"	"
10	" 1 60	"	"	"	506	30	530	10½	"	"	"	"	"
12	" 1 90	"	"	"	543		548	12½	"	"	50	"	"
10	" 1 60	"	"	"	416	25	441	10½	"	"	yes*	"	"
12	" 1 92	hr. 20c	"	"	399	42	441	12	inc. 60c day	inc. 23c day	100	"	"
12	" 1 55	" 15½c	"	"	465	93	558	10	"	"	no	same	same
11	" 1 72	"	"	"	516		516		"	"	no	"	"
9	" 1 75	yes*	"	"	518	75	628	9½	"	"	"	worse	worse
10	mo. 43 50	"	"	"	510		510		"	"	50	same	—
9	" 60 00	"	"	"	720		720		"	increase	"	"	—
14	" 60 00	hr. 20c	"	"	720	20	740	18	"	"	100	"	—
10	" 55 00	"	"	"	605		605	10	"	"	"	worse	worse
10	mile 01½	"	"	"	750		750		"	"	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.			Months.	Days.	
3097	Mancelona	Brakeman	G. R. & I.	Am.	30	m				12			
3098	Cadillac	"	"	"	22	s				10			Sickness
3099	"	"	"	"	29	m				12			
3100	Grand Rapids	"	"	"	43	m				10		3	Sickness
3101	"	"	"	"	23	s				12			
3102	"	"	"	"	23	m				5			Injury
3103	"	"	"	Ger.	33	s			9	9	4		
3104	"	"	"	Am.	29	s			8	8	10		Lack of work
3105	"	"	"	"	23	s			10	10	12		
3106	"	"	"	"	32	m			9	9	12		
3107	"	"	"	"	34	m			10	10	12	15	Pleasure
3108	Cadillac	"	"	"	21	s				10			Lack of work
3109	"	"	"	"	27	m			14	14	12		
3110	"	"	"	Can.	22	s			14	14	10		
3111	"	"	"	Am.	26	s				11		1	Business
3112	"	"	"	"	24	m				11		1	Lack of work
3113	Grand Rapids	"	"	"	23	s				11		13	Sickness
3114	"	"	"	Irish	40	m		1		10		2	"
3115	"	"	"	"	27	s				10		2	"
3116	"	"	"	Am.	26	s				12		1	"
3117	"	"	"	"	31	s				12			
3118	"	"	"	"	18	s			10	10	11		Lack of work
3119	"	"	"	"	23	s				11		1	Sickness
3120	"	Baggage man	"	Irish	23	s				12			
3121	Potoskey	"	"	Am.	31	m	2	1	12	16	12		
3122	Grand Rapids	"	"	"	31	m				11		13	Sickness
3123	Kalamazoo	Agent	"	"	24	m	2	1	13	13	12		
3124	Conklin	"	"	"	43	s	2	3	15	15	11	1	Sick & vacat'n
3125	Manton	"	"	"	33	s			12	12	11	1	Vacation
3126	Kingsley	"	"	"	30	s			15	12	11	1	Laid off
3127	Brutus	"	"	"	27	m	2	1	13	15	12		
3128	Cedar Springs	"	"	"	60	s			9	9	12		
3129	Sand Lake	"	"	"	25	s	2		18	16	12		
3130	Potoskey	"	"	"	37	m	4	3	10	12	12		
3131	Mendon	"	"	Ger.	27	s			12	12	11		
3132	Kalkaska	"	"	Am.	30	m	3		12	12	12	15	
3133	Sullivan	"	"	"	26	s	2		12	12	12		
3134	Howard City	"	"	"	37	m	4		10	10	12		
3135	Leroy	"	"	"	34	s	5		12	12	12		
3136	Martin	"	"	"	39	s	2		13	13	12		
3137	Grand Rapids	"	"	"	37	s	2		12	12	12	4	Vacation
3138	Levering	"	"	"	30	s			11	13	12		
3139	Summit	"	"	Eng.	21	s			11	12	12		
3140	Harbor Springs	"	"	Am.	23	m	2	1	15	16	12		
3141	Kalamazoo	"	"	"	25	s			12	12	12		
3142	Hobart	"	"	"	32	m			14	14	12		
3143	Wayland	"	"	"	24	s			12	12	6	5	Sickness
3144	Bohne Falls	"	"	"	42	s			13	13	12		
3145	Kalamazoo	Operator	"	"	23	s		5	12	13	12	3	Sickness
3146	Cadillac	"	"	"	35	m			12	12	12		
3147	Sullivan	"	"	"	27	s		3	12	12	12		
3148	Big Rapids	"	"	"	20	s			13	13	12		
3149	Muskegon	"	"	"	20	s			10	10	12		
3150	Fort Wayne	"	"	"	19	s			12	12	11	15	
3151	Howard City	"	"	"	25	m		1	12	12	11		
3152	"	"	"	"	21	s			12	12	8	4	Pleasure
3153	Mendon	"	"	"	21	m			12	12	12		
3154	Potoskey	"	"	"	30	s			10	10	12		
3155	Randolph	"	"	"	21	s		1	12	12	12		
3156	Cedar Springs	"	"	"	24	m			12	12	12		
3157	Manton	"	"	"	23	s			11	11	12		
3158	Grand Rapids	"	"	"	29	s			15	12	12		
3159	"	"	"	"	27	s		1	12	12	12		
3160	Muskegon	Cashier	"	"	31	m		3	10	10	9	3	Sickness
3161	Kalamazoo	"	"	"	30	s			10	10	12		
3162	Grand Rapids	"	"	"	23	s			10	10	12		

Railway employees.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
11	day	\$2 35	hr. 20c	mo.	\$735	---	\$735	13	increase	increase	no	same	---
12	"	2 35	" 20	"	611	---	611	10	inc. 35c day	inc. 35c day	\$100	same	---
12	"	2 35	" 20	"	728	---	728	12	35c	35c	yes*	better	same
14	"	3 00	hr. 20c	"	780	964	844	12	16c	16c	no	worse	worse
10	mo.	55 00	" 20	"	660	---	660	12	neither	neither	100	---	---
12	"	55 00	" 20	"	275	---	275	12	increase	---	yes*	---	---
9	"	50 00	" 20	"	200	---	200	---	---	---	---	---	---
8	"	50 00	" 20	"	500	---	500	---	---	---	no	worse	worse
10	"	50 00	" 20	"	600	---	600	---	---	---	---	---	---
9	"	45 00	" 20	"	540	---	540	---	---	---	---	---	---
13	trip	4 20	hr. 20c	"	500	60	560	9	inc. 40c trip	increase	---	better	same
13	"	2 60	" 20	"	500	25	525	14	increase	---	---	worse	worse
14	"	2 60	" 20	"	600	48	648	12	---	---	100	---	---
14	"	2 60	" 20	"	550	16	566	16	---	---	50	---	---
12	"	2 10	" 20	"	560	33	593	12	inc. 20c hr.	inc. 20c hr.	no	better	better
10	"	2 00	hr. 20c	"	550	20	570	12	40c trip	40c trip	---	same	same
10	"	3 50	" 20	"	660	---	660	10	neither	increase	---	worse	worse
13	"	4 20	" 20	"	550	10	560	12	---	---	---	---	---
13	"	4 20	" 20	"	500	---	500	11	---	neither	---	better	---
12	"	4 20	" 20	"	650	10	660	11	---	---	---	same	same
12	"	4 20	hr. 20c	"	648	48	694	11	inc 30c trip	increase	100	better	better
10	"	2 10	yes*	"	600	75	675	12	20c	---	no	worse	worse
12	"	4 20	hr. 20c	"	672	6	678	11	30c	inc. 30c trip	100	better	better
10	mo.	50 00	" 20c	"	600	---	600	---	neither	neither	no	same	---
14	"	50 00	" 20c	"	600	---	600	---	---	---	---	---	---
10	trip	3 50	hr. 20c	"	805	---	805	---	neither	decrease	50	same	---
12	mo.	45 00	" 20c	"	540	---	540	---	neither	neither	no	worse	---
15	"	35 00	" 20c	"	385	---	385	---	---	inc. \$5 mo.	200	same	worse
12	"	55 00	" 20c	"	605	---	605	---	---	dec. 5	200	same	same
15%	"	40 00	" 20c	"	440	---	440	---	inc. \$5 mo.	decrease	no	---	---
17	"	40 00	" 20c	"	480	---	480	---	neither	neither	200	better	---
11	"	50 00	" 20c	"	600	---	600	---	---	---	no	same	---
11	"	50 00	" 20c	"	600	---	600	---	---	inc. \$5 mo.	175	worse	worse
12	"	125 00	" 20c	"	1,500	---	1,500	---	neither	neither	no	---	---
12	"	57 00	" 20c	"	655	---	655	---	---	---	---	worse	---
12	"	55 00	" 20c	"	660	---	660	---	---	inc. \$15 mo.	200	same	better
12	"	50 00	" 20c	"	600	---	600	---	---	neither	200	worse	worse
10	"	80 00	" 20c	"	960	---	960	---	---	---	---	same	---
12	"	45 00	" 20c	"	540	---	540	---	---	inc. \$5 mo.	no	---	---
12	"	40 00	" 20c	"	480	---	480	---	---	dec. 3	---	same	same
12	"	85 00	" 20c	"	1,020	---	1,020	---	---	neither	---	worse	worse
12	"	40 00	" 20c	"	480	---	480	---	---	---	---	---	---
11%	"	35 00	" 20c	"	420	---	420	---	---	inc. \$5 mo.	200	same	better
15%	"	55 00	" 20c	"	660	---	660	---	---	10	no	---	---
12	"	75 00	" 20c	"	900	---	900	---	inc. \$10 mo.	neither	400	---	---
14	"	40 00	" 20c	"	480	---	480	---	neither	---	no	---	same
12	"	45 00	" 20c	"	270	---	270	---	---	dec. \$3 mo.	---	---	---
13	"	50 00	" 20c	"	600	---	600	---	---	neither	---	worse	worse
12	"	45 00	" 20c	"	540	---	540	---	inc. \$5 mo.	increase	---	better	better
12	"	50 00	" 20c	"	600	---	600	---	neither	neither	---	---	---
12	"	45 00	" 20c	"	540	---	540	---	---	---	75	worse	worse
12	"	50 00	" 20c	"	600	---	600	---	---	---	160	better	better
10	"	50 00	" 20c	"	600	---	600	---	---	---	---	---	---
12	"	40 00	" 20c	"	458	---	458	---	---	---	---	same	---
12	"	50 00	" 20c	"	600	---	600	---	---	---	---	---	---
12	"	40 00	" 20c	"	320	---	320	---	inc. \$5 mo.	inc. \$5 mo.	---	same	better
12	"	40 00	" 20c	"	480	---	480	---	neither	neither	---	---	---
11	"	65 00	" 20c	"	780	---	780	---	---	---	---	---	---
12	"	40 00	" 20c	"	480	---	480	---	neither	neither	no	same	worse
11	"	50 00	" 20c	"	600	---	600	---	---	---	---	---	---
12	"	40 00	" 20c	"	480	---	480	---	---	inc. 10%	200	same	better
12	"	40 00	" 20c	"	480	---	480	---	---	neither	no	worse	worse
10	"	50 00	" 20c	"	450	---	450	---	---	---	---	---	---
10	"	75 00	" 20c	"	900	---	900	---	---	---	---	---	---
10	"	70 00	" 20c	"	840	---	840	---	---	---	---	worse	worse
10	"	65 00	" 20c	"	660	---	660	---	---	---	---	---	---

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
3162	Grand Rapids.	Clerk.....	G. R. & I.	Am.....	22	s			8	8 12					
3163	"	"	"	Swede..	28	m	2	2	10	10 12					
3164	"	"	"	Am.....	21	s			10	10 12					
3165	"	"	"	Irish...	45	m	4	3	10	10 8			4		Sickness
3166	"	"	"	Am.....	38	"	2	1	10	12 3			9		"
3167	"	"	"	"	44	"	2	1	8	8 12					
3168	"	"	"	Rus.....	24	s			8	8 12					
3169	"	"	"	Am.....	21	"			8	8 12					
3170	"	"	"	"	19	"			8	8 12					
3171	"	"	"	"	16	"			8	8 7			5		At school
3172	"	"	"	"	22	"			8	8 12					
3173	"	"	"	"	20	"			8	8 12					
3174	"	"	"	"	34	m	2	1	8	8 12					
3175	"	"	"	"	43	"	2	4	8	8 12					
3176	"	"	"	"	38	s			8	8 12					
3177	"	"	"	"	27	"	2	4	8	8 12					
3178	"	"	"	"	20	"			8	8 12					
3179	"	"	"	"	17	"			8	8 12					
3180	"	"	"	"	18	"			8	8 10			2		Lack of work
3181	"	"	"	"	21	"			8	8 12					
3182	"	"	"	"	21	"			8	8 12					
3183	"	"	"	"	20	"			8	8 12					
3234	Muskegon	"	"	"	24	"			10	10 12					
3235	Kalamazoo	"	"	"	28	"			10	10 12					
3236	"	"	"	"	38	m	3	3	10	10 8			4		Sickness
3237	Grand Rapids.	Checker	"	"	37	s			10	10 12					
3238	"	"	"	"	87	"			10	10 12					
3239	"	"	"	Scotch	32	"			10	10 12					
3240	"	"	"	Am.....	29	m	2	2	10	10 12					
3241	"	"	"	"	38	"	2	2	10	10 10			2		
3242	"	"	"	"	27	s	2	1	10	10 12					
3243	"	"	"	"	38	m	2	2	10	10 12					
3244	"	"	"	Eng.....	43	"	2	3	10	10 12					
3245	"	"	"	"	34	"	2	2	10	10 12					
3246	"	"	"	Am.....	29	"	2		10	10 11			1		Sickness
3247	"	"	"	"	38	"	2	1	10	10 12					
3248	"	"	"	Ger.....	29	"	2	3	10	10 12					
3249	"	"	"	Am.....	35	"	2	4	10	10 11			1		Sickness
3250	"	"	"	Hol.....	36	s			10	10 12					
3251	Kalamazoo	"	"	Am.....	31	m	2	2	10	10 12			3		Sickness
3252	"	"	"	"	28	"	2	2	10	10 12					
3253	Grand Rapids.	Clerk	"	"	33	"	2	2	10	10 12					
3254	"	"	"	"	47	"	2		10	10 12					
3255	Kalamazoo	"	"	"	21	s			10	10 12					
3256	"	"	"	"	23	"			10	10 12					
3257	Grand Rapids.	Stenog'pher	"	"	22	"			8	8 12					
3258	"	"	"	"	37	"			8	8 12					
3259	"	"	"	"	22	"			8	8 12					
3271	"	Baggageman	"	"	43	m	2		10	10 12					
3272	"	"	"	"	47	"	2	5	10	10 12					
3273	"	"	"	Am.....	25	"	2		10	10 12					
3274	"	"	"	Can.....	30	"	2	2	10	10 12					
3275	"	"	"	Am.....	32	"	2	1	10	10 12					
3276	"	"	"	Ger.....	33	"	2	1	10	10 12					
3277	"	"	"	Am.....	31	s			10	10 9			8		Sickness
3278	Harbor Springs	"	"	"	34	m	2		18	16 12					
3279	Grand Rapids	Carpenter	"	Eng.....	54	"	2		10	10 9			3		Sickness
3280	"	"	"	Am.....	56	"	2		10	10 9			3		"
3281	"	"	"	"	47	"	2	8	9	9 8			4		Sick & vacat'n
3282	"	"	"	Irish...	34	"	2	2	10	10 10			2		Sickness
3283	"	"	"	Am.....	21	"	2	3	10	10 11 1/2			15		"
3284	"	"	"	"	53	"	3	4	10	10 10			2		Vacation
3285	"	"	"	"	27	s			10	10 12					
3286	"	"	"	"	38	m	2	2	10	10 12					
3287	"	"	"	"	35	"	2	2	10	10 12			3		
3288	Rockford	"	"	French	61	"	3	1	10	10 12					

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
8	mo.	\$80 00		mo.	\$720		\$720		neither	neither	\$250	same	same
10	"	83 00 ¹ / ₂		"	1,000		1,000		"	"	150	worse	worse
10	"	60 00		"	720		720		inc. \$5 mo.	"	100	same	same
10	"	45 00		"	880		880		neither	"	no	worse	worse
11	"	45 00		"	135		135		"	"	"	same	same
8	"	75 00		"	900		900		"	"	"	same	"
8	"	50 00		"	600		600		"	"	"	better	better
8	"	65 00		"	780		780		"	"	240	worse	worse
8	"	40 00		"	480		480		inc. \$10 mo.	inc. \$10 mo.	40	same	same
8	"	15 00		"	105		105		neither	neither	no	better	better
8	"	46 00		"	480		480		"	"	225	worse	worse
8	"	50 00		"	600		600		"	"	500	same	same
8	"	100 00		"	1,200		1,200		"	"	500	"	"
8	"	65 00		"	780		780		"	"	no	worse	worse
8	"	75 00		"	900		900		"	"	500	same	same
8	"	50 00		"	600		600		"	"	200	worse	worse
8	"	40 00		"	480		480		"	"	250	better	better
8	"	30 00		"	360		360		"	"	60	"	"
8	"	25 00		"	250		250		"	"	no	"	"
8	"	40 00		"	480		480		"	"	80	same	same
8	"	40 00		"	480		480		"	"	no	"	"
8	"	50 00		"	600		600		"	"	50	worse	worse
10	"	50 00		"	600		600		"	"	"	"	"
10	"	55 00		"	660		660		"	"	"	same	same
10	"	50 00		"	400		400		"	"	no	better	better
10	day	1 50		"	470		470		neither	"	"	same	same
10	"	1 50	yes*	"	470		470	10%	"	"	"	worse	worse
10	"	1 50	"	"	470		470	10%	"	"	130	same	same
10	"	1 50	"	"	470		470	10%	"	"	no	"	"
10	mo.	40 00		"	400		400		"	"	"	"	"
10	"	40 00		"	480		480		"	"	"	worse	worse
10	"	40 00		"	480		480		"	"	"	"	"
10	"	40 00		"	480		480		"	"	"	worse	worse
10	"	40 00		"	480	\$18	528		"	"	"	"	"
10	"	40 00		"	440		440		"	"	"	"	"
10	"	40 00		"	480		480		"	"	"	"	"
10	"	40 00		"	480		480		"	decrease	"	"	"
10	"	40 00		"	440		440		neither	"	"	"	"
10	"	40 00		"	480		480		"	"	75	same	same
10	day	1 25		"	388		388		"	"	no	same	worse
10	"	1 25		"	391		391		"	"	"	"	"
10	mo.	45 00		"	540		540		neither	neither	yes*	worse	"
10	"	45 00		"	540		540		"	"	75	same	worse
10	"	45 00		"	540		540		"	"	"	"	"
10	"	50 00		"	600		600		"	"	no	"	"
8	"	50 00		"	600		600		"	"	100	"	same
8	"	85 00		"	1,020		1,020		"	"	500	"	"
8	"	45 00		"	540		540		"	"	200	worse	worse
10	"	55 00		"	660		660		"	inc. \$10 mo.	300	same	same
10	"	40 00		"	480		480		neither	"	no	"	"
10	"	40 00		"	480		480		"	"	230	"	"
10	"	40 00		"	480		480		"	"	240	"	"
10	"	40 00		"	480		480		"	"	75	worse	worse
10	"	75 00		"	900		900		inc. \$20 mo.	"	200	"	"
10	"	40 00		"	360		360		neither	"	75	same	same
10	"	40 00		"	480		480		"	"	yes*	"	"
10	day	1 75		"	410		410		"	"	no	same	same
10	"	1 75		"	433		433		"	"	25	"	"
9	"	1 85		"	385		385		"	"	no	"	same
10	"	1 75		"	455		455		"	"	"	"	"
10	"	1 75		"	522		522		"	"	50	"	"
10	"	1 60		"	416		416		"	"	no	"	"
10	"	1 75	yes*	"	548		548	10%	inc. 15c day	"	"	worse	worse
10	"	1 65		"	517		517	10%	" 15c "	"	"	"	"
10	"	2 25		"	698		698		" 25c "	inc. 5%	yes*	same	same
10	mo.	60 00		"	720		720		neither	neither	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3289	Grand Rapids	Carpenter	G. R. & I.	Am.	40	m	2	2	10	10	12	3		
3290	"	"	"	"	47	"	"	3	10	10	12	3		
3291	"	"	"	"	54	"	"	4	10	10	12	3		
3292	"	"	"	Ger.	38	"	"	3	10	10	12	3		
3293	"	"	"	"	36	s	"	"	10	10	12			
3294	"	"	"	Am.	37	s	"	"	10	10	10	2		Sickness
3295	"	"	"	"	32	m	"	"	10	10	12			
3296	"	"	"	"	35	"	"	"	10	10	11	1		Sickness
3297	"	Painter	"	Hol.	50	"	"	5	10	10	12	3		
3298	"	"	"	"	50	"	"	5	10	10	12			
3299	"	"	"	Am.	47	"	"	1	9	9	9			Lack of work
3300	"	"	"	"	35	"	"	5	9	6	6	3		
3301	"	"	"	"	36	"	"	"	10	10	12	3		
3302	"	"	"	Ger.	55	"	"	8	10	10	12	3		
3303	"	"	"	Irish	50	"	"	1	10	10	12			
3304	Cadillac	Car repairer	"	Am.	30	"	"	2	10	10	10	2		Lack of work
3305	"	"	"	"	32	"	"	1	10	10	11	1		"
3306	"	"	"	"	33	"	"	2	10	10	11	1		"
3307	"	"	"	"	27	"	"	"	10	10	11	1		"
3308	"	"	"	Can.	32	"	"	1	10	8	8	4		"
3309	Grand Rapids	"	"	Am.	26	"	"	"	10	10	12			
3310	"	"	"	"	36	"	"	"	10	10	12	3		Lack of work
3311	"	"	"	"	39	"	"	1	10	10	12			
3312	"	"	"	"	53	"	"	"	10	10	12			
3313	"	"	"	Hol.	38	"	"	5	10	7	7			Lack of work
3314	"	"	"	Am.	27	s	"	"	10	10	10	1		Vacation
3315	"	"	"	Hol.	35	m	2	1	10	10	12			
3316	"	Trucker	"	"	39	"	2	5	10	10	12			
3317	"	Machinist	"	Am.	32	s	"	"	10	10	11	13		Vacation
3318	"	"	"	"	19	"	"	"	10	10	12	1		
3319	"	"	"	"	27	m	2	2	10	10	12	1		
3320	"	"	"	"	57	"	3	3	10	10	12			
3321	"	"	"	"	25	"	"	"	10	10	12			
3322	"	"	"	Ger.	36	"	2	4	10	10	12	3		
3323	"	"	"	"	39	"	2	5	10	10	12	3		
3324	"	"	"	Am.	42	"	2	5	10	10	11	26		Sickness
3325	"	"	"	"	60	"	2	1	10	10	11	1	3	
3326	"	"	"	"	36	"	2	5	10	9	9	3		Accident
3327	"	"	"	"	35	"	2	3	10	10	11	20		Lack of work
3328	"	"	"	Irish	44	"	2	6	10	10	11	1		
3329	"	"	"	Am.	39	"	2	2	10	10	11	1		Accident
3330	"	"	"	Ger.	45	"	2	1	10	10	11	1		Sickness
3331	"	"	"	"	27	s	"	"	10	10	12			
3332	"	"	"	Am.	45	m	2	2	10	10	12			
3333	"	"	"	"	28	"	2	"	9	9	12	3		
3334	"	"	"	"	47	"	2	3	10	10	11	1		
3335	"	"	"	Hol.	50	"	2	6	10	10	12			
3336	"	"	"	Am.	34	"	2	"	10	10	12			
3337	"	"	"	Scotch	53	"	2	5	10	10	12			
3338	"	"	"	Am.	18	s	"	"	10	10	12	3		
3339	"	"	"	"	35	m	2	"	10	10	12	3		
3340	"	"	"	"	31	"	2	2	10	10	12			
3341	"	"	"	Ger.	37	"	2	4	10	10	12			
3342	"	"	"	Am.	26	s	"	"	10	10	12	3		
3343	"	"	"	Ger.	51	m	2	4	10	10	12	3		
3344	"	"	"	Am.	38	"	2	"	9	9	12			
3345	"	"	"	Ger.	32	"	2	3	10	10	12	3		Sick. in fam'y
3346	"	Helper	"	Am.	25	"	2	"	10	10	12			
3347	"	"	"	"	18	s	"	"	10	10	12			
3348	"	"	"	"	26	m	2	"	10	10	12	3		
3349	"	"	"	"	18	s	"	"	10	10	12	3		
3350	"	"	"	"	16	"	"	"	10	10	12	3		
3401	"	Engineer	"	"	36	m	2	2	10	10	12			
3402	"	Tinner	"	"	21	s	"	"	10	10	11	1		Vacation
3403	"	"	"	"	28	m	2	1	10	10	11	1		"
3404	"	"	"	"	47	"	2	1	10	10	12	3		

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Am't per	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any in-crease or decrease in wages during the past year. If so, how much.	Has there been any in-crease or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per.					Regular time.	Overtime.	Total.						
10	day	\$1 85			mo.	\$574		\$574		neither	neither	\$50	same	
10	"	1 85			"	574		574		"	inc. 10c day	no	"	same
10	"	2 25			"	698		698		"	neither	250	"	
10	"	1 75			"	543		542		"	"	50	"	
10	"	3 00			mo.	989		939		"	inc. 15c day	25	"	same
10	"	1 85			"	481		481		"	neither	75	"	"
10	"	1 85			"	579		579		"	"	50	"	
10	"	1 75			"	500		500		"	"	75	worse	worse
10	"	1 75			"	548		543		"	"	no	same	
10	"	1 50			"	470		470		"	neither	"	"	
10	"	2 00			"	468		468		"	"	"	same	same
9	"	2 00			"	312		312		"	"	"	"	
10	"	2 25			"	698		698		"	inc. 25c day	250	"	
10	"	1 80			"	558		558		"	neither	no	"	
10	mo.	60 00	yes*		"	720		720	10	"	"	200	"	same
10	day	1 50			"	390		390		"	inc. 10c day	no	worse	worse
10	"	1 50			"	429		429		"	" 10c	"	same	
10	"	1 50			"	429		429		"	" 10c	"	"	same
10	"	1 50			"	429		429		"	" 10c	"	"	same
10	"	1 50			"	312		312		"	" 10c	"	"	better
10	"	1 40			"	438		438		inc. 15c day	"	"	same	same
10	"	1 75			mo.	543		543		neither	"	"	"	
10	"	1 40			"	438		438		"	"	"	"	
10	"	1 60			"	501		501		"	"	25	"	
10	"	1 75			"	319		319		"	"	no	"	same
10	"	1 40			"	400		400		"	"	50	"	
10	"	1 40			"	438		438		"	"	120	"	
10	"	1 40			"	438		438		"	"	50	"	
10	"	2 65			"	792		792		"	"	100	"	
10	"	75			"	159		159		"	"	no	"	
10	"	2 65	yes*		"	829		829	10 1/2	"	"	200	worse	worse
10	"	2 50			"	782	\$70	852	10 1/2	"	neither	125	same	same
10	"	2 65			"	829		829		"	"	100	worse	
10	"	2 00			"	620		620		"	increase	no	same	better
10	"	2 75			"	852		852		"	neither	"	"	same
10	"	2 75			"	786		786		"	"	"	"	
10	"	2 75			"	781		781		"	"	300	"	
10	"	2 00			"	468		468		"	"	yes*	"	
10	"	2 00			"	586		586		"	"	50	"	
10	"	1 25			"	360		360		"	"	no	"	
10	"	1 50			"	426		426		"	"	50	"	
10	"	2 75			"	789		789		"	"	no	"	
10	"	2 65			"	829		829		"	"	"	"	
10	"	2 75			"	861		861		"	"	"	"	
9	"	2 50			"	775		775		"	"	no	same	same
10	"	2 50			"	717		717		"	dec. 7c	300	"	
10	"	1 50			"	470		470		"	neither	75	same	same
10	"	2 00			"	626		626		"	"	no	"	same
10	"	2 50			"	782		782		"	"	no	"	
10	"	1 25			"	387		387		"	"	"	"	
10	"	2 75			"	852		852		"	"	300	same	
10	"	2 65			"	829		829		"	"	200	"	same
10	"	1 50			"	470		470		"	"	no	"	
10	"	2 65			"	821		821		"	"	150	"	
10	"	2 15			"	666		666		"	neither	no	"	
9	"	2 68			"	829		829		"	inc. 10c	"	"	
10	"	2 65			"	821		821		"	neither	no	"	same
10	"	1 30			"	407		407		"	"	no	same	"
10	"	1 30			"	376		376		"	increase	"	"	
10	"	1 25			"	387		387		"	neither	"	"	
10	"	1 25			"	387		387		"	"	50	"	
10	"	75			"	232		232		"	"	no	"	
10	mo.	45 00	yes*		"	540	100	640	10 1/2	"	neither	no	same	same
10	day	1 80			"	400		400		"	"	"	"	
10	"	2 25			"	644		644		"	"	150	worse	worse
10	"	2 75			"	852		852		"	"	200	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3405	Grand Rapids	Tinner.	G. R. & I.	Ger.	32	m	2	2	10	10	9	3		Sickness.
3406	"	"	"	Am.	21	s			10	10	12			
3407	"	"	"	"	27	m			10	10	12			
3408	"	"	"	Hol.	29	s			10	10	12			
3409	"	"	"	Am.	35	s			10	10	12			
3410	"	"	"	Hol.	32	s			10	10	12			
3411	"	Cop'rsmith.	"	Am.	28	s			10	10	12			
3412	"	Boiler mak.	"	"	34	m			10	10	12			
3413	"	"	"	Scotch	30	s			10	10	12			
3414	"	"	"	Eng.	44	s			10	10	12			
3415	"	B. S. f'man.	"	Am.	34	s			10	10	12			
3416	"	Boiler mak.	"	"	42	s			10	10	12			
3417	"	"	"	"	23	s			10	10	12			
3418	"	"	"	"	21	s			10	10	12			
3419	"	"	"	Ger.	41	m			10	10	12			
3420	"	Helper	"	"	28	s			10	10	12			
3421	"	"	"	Ger.	27	s			10	10	12			
3422	"	Blacksmith	"	Am.	21	s			10	10	12			
3423	"	Helper	"	Ger.	41	m			10	10	12			
3424	"	"	"	Am.	23	s			10	10	12			
3425	"	"	"	Hol.	33	s			10	10	12			
3426	"	"	"	Ger.	21	s			10	10	12			
3427	"	Molder	"	Am.	45	m			10	10	12			
3428	"	"	"	"	20	s			10	10	12			
3429	"	Pipe fitter	"	"	45	m			10	10	12			
3430	"	Helper	"	"	22	s			10	10	12			
3431	"	"	"	"	19	s			10	10	11	1	3	Sickness.
3432	"	"	"	"	40	m			10	10	12			
3433	"	"	"	Ger.	43	s			10	10	12			
3434	Kalamazoo	Truck rep'r	"	Am.	28	s			10	10	12			
3435	Grand Rapids	Switchman	"	"	25	s			10	10	12			
3436	"	"	"	"	22	s			10	10	12			
3437	"	"	"	"	30	s			10	10	12			
3438	"	"	"	"	32	m	2	1	10	10	12			
3439	"	"	"	"	41	s	2	1	10	10	12	4		Lack of work
3440	"	"	"	"	51	m	2	1	10	10	12			
3441	"	"	"	"	22	s			10	10	11 1/4	3	18	Sickness.
3442	"	"	"	"	26	s			10	10	12			
3443	"	"	"	"	42	m	2	1	10	10	12			
3444	"	"	"	"	24	s	2	1	10	10	11 1/4	13		Injury.
3445	Big Rapids	"	"	"	22	s			10	10	12			
3446	Grand Rapids	"	"	"	35	m	2	1	12	12	12			
3447	Cadillac	"	"	"	25	s	2	1	11	11	11 1/4	18		Pleasure.
3448	"	"	"	"	27	s	2	1	11	11	10	2		Lack of work
3449	"	"	"	French	25	s	2	1	11	11	11 1/4	2 1/2		Sickness.
3450	"	"	"	Am.	28	m	2	2	11	11	11 1/4	13		
3451	"	"	"	"	32	s	2	2	11	11	12	10		
3452	Grand Rapids	"	"	"	31	s	2	2	12	12	12	1		Sickness.
3453	"	"	"	"	34	s	2	2	10	10	12			
3454	"	Target man.	"	"	45	s	2	2	10	10	12			
3455	Kalamazoo	"	"	Am.	48	s	2	2	10	10	12			
3456	Grand Rapids	Flagman	"	Irish	51	s	2	3	11	11	12			
3457	"	"	"	"	50	s	2	7	11	11	12			
3458	"	"	"	"	75	s			11	11	12			
3459	"	Cross. tend.	"	Am.	63	m	2	5	11 1/2	11 1/2	11 1/2	13		
3460	"	Flagman	"	Can.	23	s	2	2	12	12	12			
3461	"	Cross. tend.	"	Am.	74	s	2	2	10	10	12			
3462	"	"	"	"	62	s	2	1	10	10	12			
3463	Muskegon	Flagman	"	Scotch	55	s	2	1	10	10	12			
3464	Cadillac	"	"	Am.	38	s	2	1	12	12	12	1		Sickness.
3465	"	"	"	Swede	43	m	2	4	11	11	12			
3465a	Grand Rapids	Gate tender.	"	Am.	29	s	2	6 1/2	15	15	12			
3466	"	"	"	Irish	50	s	2	4	10	10	12			
3467	"	"	"	"	20	s			10	10	12			
3468	"	"	"	Can.	34	m	2	1	12	12	12			
3469	Cadillac	Interlocker.	"	Scotch	47	s	2	1	12	12	12			

Machine shop foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$2 00		mo.	\$468		\$468		inc. 75c day	inc. 25c day	no	same	same
10	"	1 25		"	388		388		neither	neither		"	"
10	"	2 25		"	698		698		"	"	200	worse	worse
10	"	1 25		"	388		388		"	"	100	same	same
10	"	2 25		"	704		704		"	"	150	"	"
10	"	1 25		"	388		388		"	neither		same	"
10	"	2 50		"	775		775		"	"		"	"
10	"	3 00		"	930		930		"	"	100	same	"
10	"	2 80	yes*	"	876		876	10%	"	"	no	worse	worse
10	"	2 60		"	814	\$125	939	10%	"	"	250	"	"
10	mo.	100 00		"	1,200		1,200		"	"	200	"	"
10	day	2 75		"	852		852		"	"		same	same
10	"	2 50		"	775		775		"	"	200	"	"
10	"	1 50		"	465		465		"	"		"	"
10	"	2 25		"	698		698		"	"		"	"
10	"	1 35		"	418		418		"	"	no	"	"
10	"	1 50		"	465		465		"	"		"	"
10	"	1 50		"	470		470		"	"	no	"	"
10	"	2 00		"	620		620		"	"	"	"	"
10	"	1 25		"	388		388		"	"	"	"	"
10	"	1 25		"	388		388		"	"	"	"	"
10	"	1 50		"	465		465		"	"		"	same
10	mo.	75 00		"	900		900		"	"		worse	worse
10	day	1 50		"	465		465		"	"		"	"
10	"	2 25		"	698		698		inc. 25c day	increase	no	same	"
10	"	1 50		"	465		465		neither	neither	no	"	same
10	"	1 25		"	388		388		"	"		"	"
10	mo.	100 00		"	1,200		1,200		"	"	300	same	"
10	day	1 40		"	438		438		"	"	50	"	"
10	day	50 00		"	600		600		"	"	no	"	worse
10	"	2 12	yes*	"	664		664	10%	neither	neither	150	worse	"
10	"	2 12	"	"	664	50	714	10%	"	"	no	"	"
10	"	2 12	"	"	664	50	714	10%	"	"	150	"	"
10	"	2 12	hr 20c	"	664	45	709	10½%	"	"	50	worse	worse
10	"	2 12	yes*	"	440		440	10%	"	"	no	"	"
10	"	2 12	"	"	664	60	724	"	"	"	"	"	"
10	"	2 12	"	"	496	65	561	10½%	"	"	"	"	"
10	"	2 11	hr 21c	"	633		633		"	"	"	same	"
10	"	2 65	" 30c	mo.	830		830	10	"	increase		"	same
10	"	2 12	" 22c	"	636		636	10	"	inc. 12c day	no	worse	worse
10	"	1 75		"	548		548		"	neither	50	better	better
12	"	2 11	hr 21c	"	791	131	791	10	"	inc. 38c day	no	worse	worse
11	"	2 20		"	680		680		"	neither	50	"	"
11	"	2 20		"	572		572		"	"	no	"	"
11	"	2 20		"	543		543		"	"	yes*	same	same
11	"	2 20		"	660		660		"	neither	no	worse	worse
11	"	2 20		"	667		667		"	"	100	same	"
12	"	2 11	hr 21c	"	603		603	10	"	inc. 36c day	200	"	"
10	"	2 12	yes*	"	664		664	10%	"	neither	75	worse	worse
10	"	1 00		"	365		365		"	"	no	"	"
10	mo.	30 00		"	360		360		"	"		same	same
11	"	26 00		"	312		312		"	"	no	worse	worse
11	"	26 00		"	312		312		"	"	"	same	same
11	"	26 00		"	312		312		"	"	"	worse	worse
11½	"	30 00		"	345		345		"	"	"	"	"
12	"	30 00		"	360		360		"	decrease	"	"	"
10	"	28 00		"	336		336		"	neither	25	same	same
10	day	1 00		"	813		813		"	increase	no	"	"
12	"	1 00		"	313		313		"	neither	"	same	"
11	mo.	26 00		"	286		286		"	"	"	"	same
11	"	26 00		"	312		312		"	"	"	"	"
10½	"	30 00		"	1,080		1,080		"	"	20	better	better
10	"	30 00		"	360		360		"	"	no	worse	worse
10	"	30 00		"	360		360		"	"	"	"	"
11½	"	40 00		"	480		480		inc. \$5 mo.	increase	"	better	better
12	"	30 00		"	360		360		neither	neither	"	same	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
3470	Grand Rapids.	Car inspec'r	G. R. & I.	Am.	34	m	12	1	10	12					Lack of work
3471	"	"	"	Ger.	23	s			10	10					
3472	"	"	"	Am.	37	m			12	12					
3473	Muskegon	"	"	Swede.	46	s		3	12	12					
3474	Grand Rapids.	"	"	Irish.	"	"		6	10	12					
3475	"	"	"	Am.	45	"		1	10	10					
3476	"	Hostler	"	Irish.	52	"		1	10	10					
3477	Kalamazoo.	Wiper	"	Am.	21	"			10	12					
3478	"	"	"	Ger.	26	"			10	12					
3479	Grand Rapids.	"	"	"	64	"	4	1	10	9			3		Sickness
3480	Cadillac	"	"	Am.	18	s			10	12					
3481	Kalamazoo.	"	"	Irish.	29	m		5	10	12					
3482	"	"	"	Am.	32	"		3	10	12					
3483	Grand Rapids.	"	"	"	19	s			10	12					
3484	"	"	"	"	25	"			10	12			3		
3485	"	"	"	"	25	"			10	12					
3486	"	Watchman	"	Irish.	63	m	12	8	10	12					
3487	Muskegon	"	"	Swede	22	s			11	11					
3488	Grand Rapids.	"	"	Am.	60	m		4	10	9			3		
3489	Reed City	Sec. forem'n	"	Irish.	44	"		4	10	12					
3490	Harbor Sp'ngs	"	"	Am.	"	"		10	10	11			18		Moving
3491	Grand Rapids.	"	"	Irish.	47	"		3	10	12					
3492	"	"	"	Am.	50	"		10	10	12					
3493	Manton	"	"	"	42	"		10	10	12					
3494	Cadillac	"	"	Irish.	40	"		3	10	12					
3495	"	"	"	"	57	s			10	10			2		
3496	Pellston	"	"	Ger.	38	m		6	10	12					
3497	Grand Rapids.	"	"	Irish.	56	"		7	10	12					
3498	"	"	"	"	43	"		3	10	12					
3499	Conklin	"	"	Am.	37	"		4	10	12					
3500	Grand Rapids.	"	"	Eng.	32	"		3	10	12					
3501	Kalamazoo	"	"	Ger.	41	"		3	10	12					
3502	"	"	"	Am.	63	"			10	12					
3503	Harbor Sp'ngs	Sectionman	"	Dutch.	23	m		1	10	12					
3504	"	"	"	"	24	"		1	10	12					
3505	Grand Rapids.	"	"	Am.	35	"		10	10	12					
3506	"	"	"	Irish.	40	"		2	10	12					Sickness
3507	"	"	"	"	23	s			10	12					
3508	Reed City	"	"	Am.	23	"			10	12					
3509	Manton	"	"	"	21	"			10	11			1		Lack of work
3510	Cadillac	"	"	Swede.	26	m		1	10	12					
3511	"	"	"	"	23	s			10	10			2		
3512	"	"	"	"	21	"			10	12			3		Holidays
3513	"	"	"	"	17	"			10	12					
3514	"	"	"	"	18	"			10	10			9		
3515	"	"	"	"	52	m		8	10	12					Lack of work
3516	"	"	"	"	"	"			10	8			4		
3517	"	"	"	Am.	57	w	1	2	10	8					
3518	Grand Rapids.	"	"	Irish.	45	s		4	10	4			8		Sickness
3519	"	"	"	"	39	"			10	12					
3520	"	"	"	"	34	"			10	12					
3521	"	"	"	"	36	"			10	12					
3522	"	"	"	"	45	"			10	12					
3523	"	"	"	"	38	m	12	1	10	11			1		Sickness
3524	"	"	"	"	45	s			10	11			13		
3525	"	"	"	Am.	25	"			10	12					
3526	"	"	"	Irish.	20	"			10	12					
3527	"	"	"	"	35	m		3	10	12					
3528	"	"	"	"	31	"		1	10	11			1		Lack of work
3529	Pellston	"	"	Am.	50	"			10	11			1		
3530	Kalamazoo	"	"	"	23	"			10	12					
3531	"	"	"	"	30	m			10	12					
3532	"	"	"	"	29	"				12					
3533	"	"	"	"	30	s			10	12			10		Sickness
3534	"	"	"	Irish.	19	"			10	12					
3535	"	"	"	"	33	m			10	12					

* Engine inspector.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than five years ago.	Are times better or worse than one year ago.
	Amount per	Am't per	Regular time.		Overtime.	Total.							
10	mo.	\$50 00		mo.	\$800		\$800		neither	neither	\$100	same	
10	"	50 00		"	500		500		"	"	150	"	same
12	"	50 00		"	600		600		"	"	75	worse	worse
12	"	55 00		"	660		660		"	"	yes*	same	same
10	day	1 50		"	470		470		"	"			
10	"	1 50		"	470		470		"	"	no		
10	mo.	57 00		"	684		684	10	"	"	80	same	same
10	day	1 25		"	391		391		"	"	no	"	
10	"	1 25		"	391		391		"	"	"	"	worse
10	"	1 25		"	293		293		"	"	"	worse	
10	"	1 25		"	391		391		"	"	"	same	same
10	"	1 25		"	391		391		"	"	"	"	
10	"	1 25		"	391		391		"	"	"	"	worse
10	"	1 25		"	391		391		"	"			
10	"	1 75		"	543		543		"	"	50	"	
10	"	1 75		"	543		543		"	"	no	worse	worse
10	"	1 00		"	313		313		"	"	"	same	
10	mo.	26 00		"	312		312		"	"	"	"	
10	day	1 25	hr. 15c	"	293		293		"	"	"	worse	worse
10	mo.	40 00	yes*	"	480	\$11	480		"	"	"	"	
10	"	40 00	"	"	453	4	464	10	"	"	"	same	same
10	"	40 00	"	"	480		484		"	"	"	worse	
10	"	40 00	hr. 15c	"	480		480	10	"	"	"	same	same
10	"	40 00	" 15c	"	480		480	10	"	"	"	worse	worse
10	"	45 00	" 17c	"	450		450		"	"	50	better	
10	"	40 00	" 15c	"	480		480	10	"	"	no	"	
10	"	50 00		"	600		600		"	inc. 35 mo.	"	same	same
10	"	55 00	hr. 21c	"	640	15	675	10	"	5	"	worse	worse
10	"	40 00		"	480		480		neither	neither	"	same	same
10	"	40 00		"	480		480		"	"	75	"	
10	"	45 00		"	540		540		neither	neither	no	"	worse
10	"	50 00	hr. 19c	"	600		600	10	"	"	"	"	
10	day	1 25	" 12½c	s-mo.	391	18	404	10	inc. 15c day	neither	"	same	worse
10	"	1 25	" 12½c	mo.	391	8	399	10	neither	"	no	worse	better
10	"	1 25	" 12½c	"	391	33	424	10	"	"	"	same	"
10	"	1 25	" 12½c	"	391	20	409	10	"	"	20	same	"
10	"	1 25	" 12½c	"	391		391	10	"	"	no	worse	worse
10	"	1 10		"	344		344		"	"	"	"	
10	"	1 10		"	315		315		"	"	"	"	
10	"	1 10		"	344		344		"	"	"	same	
10	"	1 10		"	286		286		"	"	"	"	
10	"	1 10		"	341		341		"	"	"	"	
10	"	1 10		"	344		344		neither	"	"	"	
10	"	1 10		"	85		85		"	"	"	"	
10	"	1 10		"	344		344		"	"	"	worse	worse
10	"	1 10		"	258		258		"	"	"	same	same
10	"	1 10		"	228		228		"	"	"	same	worse
10	"	1 25		"	180		180	10	"	"	"	worse	
10	"	1 25		"	391		391	10	"	"	"	same	same
10	"	1 25		"	391		391	10	"	"	"	"	
10	"	1 25		"	384		384	10	"	"	"	"	
10	"	1 25	hr. 12½c	"	391		391	10	"	"	"	"	
10	"	1 25	"	"	358		358		"	"	"	"	
10	"	1 25	"	"	375		375	10	"	"	"	worse	worse
10	"	1 25	hr. 12½c	"	391	32	423	10	"	"	"	"	
10	"	1 25	"	"	391	32	423	10	"	"	10	same	better
10	"	1 25	"	"	423		423	10	"	"	no	worse	worse
10	"	1 25	hr. 12½c	"	359		359		inc. 15c day	inc. 15c day	no	better	better
10	"	1 10		"	357	100	457	10	neither	neither	"	same	same
10	"	1 10		"	344		344		"	"	"	"	
10	"	1 10		"	344		344		"	"	"	"	
10	"	1 10		"	344		344		"	"	"	"	worse
10	"	1 10		"	379		379		"	"	"	"	
10	"	1 10		"	344		344		"	"	no	worse	
10	"	1 10		"	344		344		"	"	"	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3536	Kalamazoo.....	Sectionman	G. R. & I.	Irish	50	s			10	10	12			
3537	"	"	"	Dutch.	31	m	2	2	10	10	12	10		Sickness
3538	"	"	"	"	38	s	2	2	10	10	12			
3539	"	"	"	Am.	24	s			10	10	12			
3540	"	"	"	"	42	m	2	2	10	10	12			
3541	"	"	"	Ger.	39	"	2	2	10	10	12			
3542	"	"	"	Am.	42	"	2	2	10	10	12			
3543	"	"	"	Ger.	34	"	2	2	10	10	12			
3544	"	"	"	Am.	32	s	2	2	10	10	12			
3545	Muskegon	"	"	Swede.	37	m	2	2	10	10	12			
3546	"	"	"	"	36	s	2	2	10	10	12			
3547	"	"	"	"	25	s			10	10	12			
3548	"	"	"	"	21	"			10	10	12	10		Other work
3549	"	"	"	"	34	w	1	2	10	10	12			
3550	Grand Rapids	"	"	Irish	36	m	2	2	10	10	12			
3551	"	"	"	"	22	s			10	10	12			
3552	"	"	"	Dutch.	28	"			10	10	12	2		Lack of work
3553	"	"	"	Dutch.	42	"			10	10	12			
3554	"	"	"	Irish	28	m	2	1	10	10	12	2		Lack of work
3555	"	"	"	"	29	s			10	10	12			
3556	"	"	"	"	35	"	2	2	10	10	12	2		Injury
3557	"	Car cleaner.	"	Dutch.	23	"			10	10	12			
3558	"	"	"	Am.	26	m	2		10	10	12			
3559	"	"	"	Irish	29	s			10	10	12			
3560	"	"	"	Ger.	53	m	2	1	10	10	12			
3561	"	"	"	Irish	37	"	2	4	10	10	12			
3562	"	"	"	Ger.	27	"	2		10	10	12			
3563	"	"	"	"	21	s			10	10	12			
3564	"	"	"	Am.	27	m	2		10	10	12			
3565	"	"	"	Ger.	27	s			10	10	12			
3566	"	Lamp clea'r	"	Am.	35	m	2	2	12	12	12	5		
3567	"	Dock lab'r.	"	Dutch.	52	"	2	4	10	10	12			
3568	"	"	"	Ger.	37	"	2	3	10	10	12			
3569	"	"	"	Dutch.	31	"	2	1	10	10	12			
3570	"	"	"	Am.	53	"	2	3	10	10	12	1 1/2		Sickness
3571	"	"	"	Dutch.	47	"	2	3	10	10	12			
3572	"	Fr't house*	"	Am.	36	"	2		11	12	12			
3573	"	Ware house*	"	"	24	"	2		10	10	12			
3574	Kalamazoo.....	Ass't for m.	"	Ger.	41	"	2	3	10	10	12			
3575	Grand Rapids	"	"	Am.	25	s			10	10	12			
3576	"	Fr't h'se man	"	"	37	m	2	4	10	10	12			
3577	"	"	"	"	28	s			10	10	12			
3578	"	"	"	"	49	m	6		10	10	11	1		Sickness
3579	"	"	"	"	41	"	2	3	10	10	12			
3580	"	"	"	"	26	"	2	2	10	10	12	10		
3581	"	"	"	"	23	s			10	10	11	1		Inj. in accid't
3582	"	"	"	"	21	"			10	10	12			
3583	"	Truckman	"	"	38	m	2	5	10	10	12			
3584	"	"	"	"	34	"	2		10	10	3	9		
3585	"	"	"	"	23	s			10	10	3 1/2	11 1/2		
3586	"	"	"	"	35	"			10	10	1	11		
3587	"	"	"	"	18	"			10	10	6	6		Att'n'g school
3588	"	"	"	"	31	m	2	1	10	10	12			
3589	"	"	"	"	20	s			10	10	9	3		Sickness
3590	"	"	"	"	36	m	2	4	10	10	11	20		"
3591	"	"	"	"	28	"	2	1	10	10	10	2		
3592	"	"	"	"	30	s			10	10	12			
3593	"	"	"	"	41	m	2	3	10	10	11	1		Sickness
3594	"	"	"	"	24	s			10	10	10	2		
3595	"	"	"	"	49	m	2	1	10	10	12			
3596	"	"	"	"	30	"	2		10	10	12			
3597	"	"	"	"	21	s			10	10	6	6		Lack of work
3598	"	"	"	"	30	"			10	10	12			
3599	"	"	"	Can.	19	"			10	10	12			
3600	"	"	"	Am.	36	m	2	5	10	10	12			
3601	"	"	"	"	48	"	2	4	10	10	9	3		Lack of work

* Foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
10	day	\$1 10	---	mo.	\$344	---	\$344	---	neither	neither	no	same	worse
10	"	1 10	---	---	379	---	379	---	---	---	---	---	---
10	"	1 10	---	mo.	344	---	344	---	neither	neither	no	worse	worse
10	"	1 40	---	---	344	---	344	---	---	---	---	---	---
10	"	1 10	---	"	344	---	344	---	neither	neither	no	same	"
10	"	1 10	---	"	344	---	344	---	---	---	---	---	---
10	"	1 10	---	"	344	---	344	---	---	---	---	same	same
10	"	1 10	---	"	344	---	344	---	---	---	---	---	worse
10	"	1 10	---	"	344	---	344	---	neither	neither	---	---	---
10	"	1 25	---	---	391	---	391	---	---	---	no	---	---
10	"	1 25	---	---	391	---	391	---	---	---	no	same	---
10	"	1 25	---	---	65	---	65	---	---	---	---	---	---
10	"	1 25	---	---	391	---	391	---	---	---	yes*	---	---
10	"	1 25	hr.12½c	---	391	---	391	10	---	---	---	worse	worse
10	"	1 25	" 12½c	---	391	---	391	10	---	---	no	same	---
10	"	1 25	" 12½c	---	325	---	325	10	---	---	---	---	---
10	"	1 25	" 12½c	---	391	---	391	10	---	---	---	---	---
10	"	1 25	" 12½c	---	325	---	325	10	---	---	---	---	same
10	"	1 25	" 12½c	---	391	---	391	10	---	---	---	---	same
10	"	1 25	" 12½c	---	325	---	325	10	---	---	no	---	---
10	"	1 25	yes*	---	391	\$5	396	10½	---	---	---	worse	worse
10	"	1 25	---	---	391	---	391	---	---	---	\$50	same	same
10	"	1 25	---	---	391	---	391	---	---	---	no	---	---
10	"	1 25	---	---	391	---	391	---	---	---	---	same	---
10	"	1 25	yes*	---	391	---	391	10½	---	---	---	worse	worse
10	"	1 25	---	---	391	33	424	10	---	---	---	same	same
10	"	1 25	---	---	391	33	424	10	---	---	---	same	same
10	"	1 25	---	---	391	33	424	10	---	---	---	worse	worse
10	"	1 25	---	---	538	---	538	---	---	inc. 65c day	100	---	better
10	"	1 25	---	---	391	---	391	---	---	neither	50	---	same
10	"	1 25	---	---	391	---	391	---	---	---	75	---	---
10	"	1 25	---	---	391	---	391	---	---	---	---	---	---
10	"	1 25	---	---	341	---	341	---	---	---	20	---	same
10	"	1 25	---	---	391	---	391	---	---	---	250	worse	worse
10	mo.	70 00	---	---	840	---	840	---	---	---	200	---	---
10	"	55 00	---	---	660	---	660	---	dec. \$5 mo.	---	no	same	same
10	"	45 00	---	---	540	---	540	---	neither	---	50	worse	worse
10	"	45 00	---	---	540	---	540	---	---	---	---	---	---
10	day	1 30	yes*	---	407	---	407	10½	---	---	100	same	same
10	"	1 30	---	---	407	---	407	---	---	---	80	worse	worse
10	"	1 40	yes*	---	400	40	440	10½	---	neither	150	---	---
10	"	1 25	---	---	391	39	427	10½	---	---	no	---	---
10	"	1 35	---	---	409	80	489	10½	---	---	---	---	---
10	"	1 25	---	---	357	60	417	10½	---	---	25	same	same
10	mo.	35 00	---	---	420	---	420	---	---	---	75	worse	worse
10	day	1 40	yes*	---	438	44	482	10½	---	---	no	---	---
10	"	1 40	---	---	328	11	339	10½	---	---	---	---	---
10	"	1 40	---	---	15	3	21	10½	---	---	---	---	---
10	"	1 40	---	---	36	4	40	10½	---	---	---	worse	worse
10	"	1 25	---	---	195	20	215	10½	---	---	100	---	---
10	"	1 25	---	---	391	40	431	10½	---	neither	70	---	---
10	"	1 25	---	---	292	---	292	---	---	---	no	---	---
10	"	1 35	---	---	356	---	356	---	---	---	---	same	---
10	"	1 25	---	---	325	---	325	---	---	---	---	---	---
10	"	1 25	yes*	---	391	36	427	10½	---	---	90	worse	worse
10	"	1 25	---	---	354	80	388	10½	---	---	no	---	---
10	"	1 25	---	---	325	65	390	10½	---	---	40	---	---
10	"	1 25	---	---	391	---	391	10½	---	---	no	---	---
10	"	1 25	---	---	391	40	431	10½	---	---	125	---	---
10	"	1 25	---	---	195	35	230	10½	---	---	no	---	---
10	"	1 25	---	---	391	---	391	---	---	---	25	same	same
10	"	1 25	---	---	391	---	391	---	---	---	25	---	---
10	"	1 25	---	---	391	---	391	---	---	---	20	---	---
10	"	1 25	---	---	292	---	292	---	---	---	no	---	---

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3602	Howard City	Frt. handler	G. R. & I.	Am.	31	m	2	1	10	10	12			
3603	Muskegon	"	"	"	43	"	"	1	10	10	12			
3604	"	"	"	Ger.	55	"	"	1	10	10	12			
3605	"	"	"	Dutch.	23	"	"	"	10	10	12			
3606	"	"	"	"	25	"	"	"	10	10	12			
3607	Big Rapids	"	"	Am.	32	"	"	2	12	12	12			
3608	Cadillac	"	"	"	50	"	"	4	10	10	12			
3609	Battle Creek	Laborer	"	"	24	"	"	"	10	10	12	8	10	Lack of work.
3610	Kalamazoo	"	"	"	29	"	"	"	10	10	12		13	Sickness.
3611	"	"	"	"	30	"	"	"	10	10	12			Vacation
3612	"	"	"	"	38	"	"	2	10	10	12			
3613	"	"	"	"	20	"	"	"	10	10	12			
3614	Grand Rapids	"	"	Dutch.	43	"	"	3	10	10	12			
3615	"	"	"	Am.	34	"	"	"	10	10	12			
3616	"	"	"	"	64	"	"	"	10	10	12			
3617	"	"	"	Irish.	60	"	"	"	10	10	12			
3618	"	"	"	"	19	"	"	"	10	10	12	4	3	Vacation
3619	"	"	"	"	18	"	"	"	10	10	12			
3622	"	"	"	Dutch.	"	"	"	"	10	10	12			
3623	Muskegon	Trav. frt. agt.	"	Am.	68	"	"	"	10	10	12			
3624	Grand Rapids	" pass.	"	Eng.	39	"	"	1	8	8	12			
3625	"	Water s'vice	"	Am.	48	"	"	"	8	8	12			
3634	"	Callor	"	"	47	"	"	"	10	10	12			
3635	"	"	"	"	24	"	"	"	10	10	12			
3636	"	Collector	"	Ger.	35	"	"	4	10	10	11½	14		
3637	"	Messenger	"	Can.	24	"	"	1	10	10	12			
3638	"	Callor	"	Am.	16	"	"	"	10	10	12	8		
3639	"	Supply Agt.	"	Eng.	32	"	"	3	10	10	12			
3640	Cadillac	H. H. f'man	"	Am.	57	"	"	"	10	10	12			
3641	Grand Rapids	"	"	"	26	"	"	2	10	10	12			
3642	"	R. H. man	"	"	27	"	"	"	12	12	12			
3643	"	"	"	Irish.	25	"	"	"	11	11	12			
3644	"	Tank Rep'er	"	Dutch.	29	"	"	1	10	10	12			
3645	"	Filer	"	Irish.	24	"	"	"	10	10	12			
3646	"	Belt Rep'er	"	Am.	34	"	"	1	10	10	11	1	3	Sickness
3647	"	Janitor	"	"	38	"	"	2	11	11	12			
3648	Cadillac	Mason's help	"	"	65	"	"	"	10	10	12			
3649	"	"	"	Am.	21	"	"	"	10	10	12			
3650	"	Mason	"	"	23	"	"	1	10	10	9	3		Lack of work
3651	"	"	"	"	20	"	"	"	10	10	12			
3651	"	"	"	"	47	"	"	5	10	10	6	6		Sickness.
3658	Houghton	Conductor	M. R.	"	25	"	2	1	10	10	12			
3654	Red Jacket	"	"	"	23	"	"	"	10	10	12			
3655	Lake Linden	"	"	"	26	"	"	"	12	12	11	1		Vacation
3656	Red Jacket	"	"	"	39	"	"	6	12	12	12			
3663	"	Engineer	"	"	41	"	"	"	12	12	12			
3664	"	"	"	"	30	"	"	2	10	10	11	25		Sickness
3665	"	"	"	"	28	"	"	"	10	10	12	3		
3666	"	Fireman	"	"	28	"	"	"	10	10	12			
3667	"	"	"	Can.	29	"	"	"	10	10	12			
3668	Calumet	"	"	Am.	87	"	"	1	12	12	11½	15		Sickness
3669	Red Jacket	"	"	"	32	"	"	2	10	10	12	7		
3670	Calumet	"	"	Eng.	30	"	"	"	10	10	9	8		Lack of work
3671	Oscoda	Brakeman	"	Can.	28	"	"	1	10	10	12			
3672	Houghton	"	"	Am.	21	"	"	"	10	10	12			
3673	Red Jacket	"	"	"	29	"	"	4	10	10	11¼			Sickness
3674	Atlantic Mine	"	"	Can.	35	"	"	"	10	10	9	3		Lack of work
3675	"	"	"	Am.	27	"	"	"	12	12	11½	14		Sickness.
3676	Calumet	"	"	"	26	"	"	"	10	10	12			
3677	Red Jacket	"	"	Can.	29	"	"	"	10	10	12			
3678	"	"	"	Am.	24	"	"	1	12	12	11½	15		Sickness
3679	"	"	"	Can.	31	"	"	"	10	10	7	5		Lack of work
3680	"	"	"	Am.	28	"	"	3	10	10	13	5		Sickness
3681	"	"	"	"	38	"	"	"	11	10	12	5		
3688	Calumet	Agent	"	"	21	"	"	"	10	10	8	4		Lack of work
3689	Allouez	"	"	"	40	"	"	"	10	10	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
10	mo.	\$40 00		mo.	\$480		\$480		inc. \$5 mo.	inc. \$5 mo.	\$200	same	better
10	"	50 00		"	600		600		neither	neither	no	"	same
10	day	1 15		"	360		360		"	"	"	"	"
10	mo.	40 00		"	480		480		"	"	yes*	"	same
10	day	1 15		"	360		360		"	"	no	"	"
12	mo.	40 00		"	480		480		"	"	"	"	"
10	day	42 50		"	170		170		"	neither	"	worse	worse
10	"	1 25		"	379		379		"	"	"	same	"
10	"	1 10		"	390		390		"	"	"	"	same
10	"	1 25		"	391		391		"	"	"	"	"
10	"	1 10		"	344		344		"	"	"	"	worse
10	"	1 10		"	314		314		"	"	"	"	same
10	"	1 25		"	391		391		neither	neither	40	"	"
10	"	1 25		"	387		387		inc. 15c day	inc. 15c day	no	"	"
10	"	1 25		"	387		387		neither	"	"	"	"
10	"	1 00		"	280		280		"	"	75	"	"
10	"	1 00		"	313		313		"	"	75	"	"
10	"	1 40		"	434		434		"	neither	no	"	"
10	"	1 25		"	391		391		"	"	25	"	"
8	mo.	125 00		"	1,500		1,500		"	"	no	"	"
8	"	100 00		"	1,200		1,200		"	"	600	worse	worse
12	day	2 00	yes*	"	730		730	18	"	"	200	"	"
10	"	1 25	"	"	423	\$42	485	10½	"	dec. \$5 mo.	no	"	"
10	"	1 40	"	"	419		419	10½	inc. 15c day	neither	no	"	"
10	mo.	40 00		"	480		480		neither	"	"	"	"
10	day	10 00	yes*	"	40		40		"	"	"	"	"
11	"	1 25	"	"	423	42	485	10½	"	dec. overt †	"	worse	worse
10	"	1 75	h. 15c	"	548		548	10½	"	neither	"	same	same
10	"	1 50	"	"	470		470	10	"	"	150	worse	worse
12	mo.	60 00		"	720		720		"	"	no	same	same
11	day	1 21		"	379		379		"	neither	no	"	"
10	"	1 60		"	498		498		"	"	100	same	same
10	"	1 50		"	485		485		"	"	yes*	"	"
10	"	2 00		"	574		574		inc. 25c day	neither	no	worse	same
11	"	1 50		"	485		485		neither	increase	no	same	same
10	"	1 40		"	434		434		"	neither	no	"	"
10	"	1 25		"	391		391		"	"	100	better	worse
10	"	1 25		"	292		292		"	"	100	"	"
10	"	1 75		"	548		548		"	"	no	"	"
10	"	1 75		"	278		278		"	"	150	"	"
10	mo.	65 00		"	780		780		inc. \$10 mo.	inc. \$10 mo.	250	worse	worse
10	"	60 00		"	720		720		neither	neither	100	"	"
12	"	75 00		"	825		825		"	"	150	"	"
12	"	95 00		"	1,140		1,140		inc. \$10 mo.	inc. \$10 mo.	200	"	"
10	day	9 50	yes*	"	1,008		1,008	10	neither	neither	200	"	"
10	mo.	65 00		"	775		775		inc. \$5 mo.	inc. \$5 mo.	70	"	"
12	"	55 00		"	680		680		neither	"	125	"	"
10	"	50 00		"	550		550		"	"	50	"	"
10	"	65 00	yes*	"	785		785	10	inc. \$5 mo.	inc. \$5 mo.	100	worse	"
10	"	50 00		"	450		450		neither	neither	85	"	"
10	"	55 00		"	680		680		"	"	100	"	"
10	"	45 00		"	540		540		inc. \$5 mo.	inc. \$5 mo.	200	"	"
10	"	55 00		"	520		520		neither	neither	50	"	"
10	"	50 00		"	450		450		"	"	100	"	"
12	"	59 00	yes*	"	678		678	12	"	"	100	"	"
10	"	55 00		"	680		680		"	"	100	"	same
10	"	50 00		"	600		600		"	"	50	worse	worse
12	"	50 00		"	550		550		inc. \$5 mo.	inc. \$5 mo.	50	"	"
10	"	50 00		"	350		350		"	"	no	"	"
10	"	60 00		"	711		711		neither	neither	50	"	same
10½	"	65 00	yes*	"	770		770	12	"	"	200	worse	worse
10	"	50 00		"	400		400		"	"	50	"	"
10	"	65 00		"	780		780		"	"	100	"	"
10	"	70 00		"	840		840		"	inc. \$10 mo.	150	"	"

* Does not say what.

† Over-time not allowed.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
3690	Clark	Agent	M. R.	Am.	28	m	2	1	10	10 12					
3691	Red Jacket	Operator	"	"	23	s			12	12 12					
3692	Opechee	"	"	"	26	s			15	13 12					
3693	Houghton	Clerk	"	"	23	s			10	10 12					
3694	Red Jacket	"	"	"	22	s			11	11 12					
3695	Houghton	"	"	"	25	s			10	10 11½			17		Sickness
3696	Red Jacket	Mechanic	"	"	23	s			10	10 12					
3697	Hancock	Machinist	"	"	27	m	2	1	10	10 12			10		Sickness
3698	"	"	"	"	41	s			10	10 12			9		"
3699	"	Boiler mak.	"	"	48	s		6	10	10 12			2		"
3700	Red Jacket	Car repairer	"	"	24	s			10	10 12			2		"
3701	Osceola	Carpenter	"	Fin.	45	s			10	10 12					
3702	"	Car repairer	"	"	40	m	2	5	10	10 12					
3703	"	"	"	"	42	s			10	10 12			2		Sickness
3704	Hancock	Yard master	"	Am.	33	s			10	10 12					
3706	Red Jacket	Switchman	"	"	32	s		1	10	10 10			2		Sickness
3707	"	Flagman	"	"	47	s		5	10	10 12			10		"
3708	Osceola	Wiper	"	Eng.	20	s			12	12 12					
3709	"	"	"	Am.	17	s			12	12 6			6		Lack of work
3711	"	Watchman	"	Swede.	42	m	2	4	12	12 12			5		Sickness
3712	Lake Linden	Frt. handler	"	Am.	21	s			10	10 12					
3714	Houghton	"	"	"	23	s			10	10 11			29		Vacation
3715	Calumet	"	"	"	27	s			10	10 12					
3716	Red Jacket	Coal filler	"	"	26	s			10	10 5			7		Lack of work
3718	Osceola	" dumper	"	"	20	s			10	10 12			5		Sickness
3719	Red Jacket	Sec. forem'n	"	Fin.	37	m	2	1	10	10 12					
3720	"	"	"	"	32	s		3	10	10 12					
3721	Clark	"	"	"	45	s		4	10	10 12			10		Sickness
3722	Osceola	"	"	"	38	s		3	10	10 12			7		"
3723	Opechee	Sectionman	"	"	30	s			10	10 7			5		Lack of work
3724	"	"	"	"	35	m	2		10	10 12					
3725	"	"	"	Norw.	22	s			10	10 12					
3726	Allouez	"	"	Fin.	39	m	2	5	10	10 11½			20		Sickness
3727	Opechee	"	"	"	24	s		4	10	10 12			10		"
3728	Red Jacket	"	"	"	35	s	2	1	10	10 12					
3729	Opechee	"	"	"	28	s			10	10 11			1		Lack of work
3730	Red Jacket	R. H. f'man	"	Am.	24	m	2		10	10 12					
3732	Bad Axe	Conductor	S. T. & H.	"	55	s	2	8	12	12 12					
3733	"	"	"	"	57	s	2	1	10	10 9			3		Sick & l. of w.
3734	Bad Axe	"	"	"	34	s	1	6	6	10 10			2		Sickness
3735	East Saginaw	Engineer	"	"	40	s			12	12 12					
3736	"	Fireman	"	"	40	s	2	2	12	12 12					
3737	"	"	"	Ger.	34	s	2	2	10	10 12					
3738	Bad Axe	Brakeman	"	Am.	18	s			6	6 12					
3739	Saginaw	"	"	"	42	m		1		12					
3740	Unionville	Agent	"	Can.	34	s	2	3	10	11 12			2		Sickness
3741	Saginaw	Checker	"	Am.	37	s	2	2	10	10 12					
3742	"	Carpenter	"	Scotch	37	s	2	2	10	10 10			2		
3744	"	Wood w'ker	"	Am.	"	"	4		10	10 12					
3745	"	Painter	"	"	33	s	5	3	10	10 8			4		
3746	"	Machinist	"	"	53	s	2	3	10	10 9			3		Lack of work
3748	"	"	"	Can.	26	s			10	10 12					
3750	"	Boiler mak.	"	Scotch	24	s			10	10 12					
3752	"	Blacksmith	"	Irish	38	s			10	10 7			5		
3754	"	Car inspect.	"	Ger.	45	m	2	3	10	10 11			1		Sickness
3755	"	"	"	"	35	s			10	10 12					
3756	Unionville	Sectionman	"	Am.	"	"	2		10	10 12					
3757	"	Sec. forem'n	"	"	52	s	5		10	10 12					
3758	"	Sectionman	"	Eng.	19	s			10	10 12			8½		
3759	Saginaw	"	"	Ger.	37	m	2	5	10	12					
3761	Pontiac	Conductor	P. O. & N.	"	32	s	2	1	11	11 12					
3762	"	"	"	Am.	40	s	2	1	11	11 12					
3763	"	"	"	"	46	s	2	1	10	10 11			1		Vacation
3764	Bad Axe	Engineer	"	"	41	s	2	1	10	10 11			1		Sickness

Railway Employees.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	mo.	\$80 00	-----	mo.	\$720	-----	\$720	-----	neither	inc. \$10 mo	\$150	-----	worse
12	"	85 00	-----	"	680	-----	680	-----	"	neither	50	-----	same
14	"	80 00	-----	"	720	-----	720	-----	"	"	"	-----	"
10	"	80 00	-----	"	720	-----	720	-----	inc. \$5 mo.	inc. \$10 mo	200	-----	worse
11	"	50 00	-----	"	800	-----	800	-----	neither	5 "	90	-----	"
10	"	45 00	-----	"	512	-----	512	-----	"	neither	80	-----	"
10	day	3 25	-----	"	1,017	-----	1,017	10	"	"	no	-----	same
10	"	2 50	yes*	"	657	-----	657	11	"	inc. 50c day	200	-----	worse
10	mo.	95 00	-----	"	1,111	-----	1,111	12	"	" \$10 mo.	100	-----	"
10	day	3 00	-----	"	915	-----	915	11	"	"	25	-----	"
10	"	2 00	-----	"	622	-----	622	10	"	neither	150	-----	"
10	mo.	55 00	-----	"	680	-----	680	11	"	"	160	-----	"
10	"	50 00	-----	"	600	-----	600	-----	inc. \$5 mo	inc. \$5 mo	100	-----	"
10	"	60 00	-----	"	718	-----	718	-----	"	10 "	200	-----	"
10	day	2 50	-----	"	752	-----	752	-----	neither	neither	150	-----	worse
10	mo.	65 00	-----	"	850	-----	850	-----	inc. \$5 mo.	inc. \$2 mo	no	-----	worse
10	"	42 00	yes*	"	451	-----	451	10	neither	neither	85	-----	"
12	"	45 00	-----	"	540	-----	540	-----	"	"	100	-----	"
12	"	25 00	-----	"	210	-----	210	-----	"	"	no	-----	"
12	"	50 00	-----	"	592	-----	592	-----	"	"	40	-----	"
10	"	45 00	-----	"	540	-----	540	-----	"	"	"	-----	"
10	"	45 00	-----	"	453	-----	453	-----	"	"	100	-----	"
10	"	50 00	-----	"	800	-----	800	-----	inc. \$5 mo.	inc. \$5 mo	75	-----	"
10	day	1 75	-----	"	227	-----	227	10	neither	neither	no	-----	same
10	mo.	45 00	-----	"	522	-----	522	-----	"	"	100	-----	worse
10	"	50 00	-----	"	600	-----	600	-----	"	"	150	-----	"
10	"	50 00	-----	"	600	-----	600	10	"	"	100	-----	same
10	"	50 00	-----	"	583	-----	583	-----	"	"	75	-----	worse
10	"	50 00	-----	"	588	-----	588	-----	"	"	200	-----	"
10	day	1 50	-----	"	273	-----	278	10	"	"	"	-----	same
10	"	1 50	-----	"	470	-----	470	10	"	"	100	-----	"
10	"	1 50	-----	"	470	-----	470	10	"	"	"	-----	better
10	mo.	45 00	-----	"	439	-----	439	10	"	"	55	-----	worse
10	day	1 50	-----	"	454	-----	454	10	"	"	50	-----	same
10	"	1 50	yes*	"	470	-----	470	12	"	"	75	-----	worse
10	"	1 50	-----	"	429	-----	429	10	"	"	"	-----	same
10	mo.	60 00	-----	"	720	-----	720	-----	inc. \$5 mo.	inc. \$15 mo	-----	-----	worse
12	"	75 00	-----	"	900	-----	900	-----	neither	neither	no	-----	same
12	day	3 00	yes*	"	702	-----	702	12	"	"	no	-----	worse
6	mo.	75 00	-----	"	750	-----	750	6	"	"	"	-----	worse
12	day	3 25	-----	"	1,017	-----	1,017	12	"	"	"	-----	"
12	"	1 75	-----	"	548	-----	548	-----	"	"	no	-----	"
10	"	1 85	yes*	"	579	-----	579	10	"	"	"	-----	same
6	"	1 60	-----	"	501	-----	501	6	"	neither	-----	-----	"
12	"	1 75	-----	"	548	-----	548	12	"	"	yes*	-----	worse
10 1/4	mo.	45 00	-----	"	540	-----	540	-----	"	"	30	-----	same
10	"	40 00	-----	"	480	-----	480	-----	"	"	no	-----	worse
10	day	2 25	-----	s-mo.	585	-----	585	-----	increase	decrease	300	-----	"
10	"	1 90	-----	mo.	595	-----	595	-----	"	"	no	-----	"
10	"	2 50	-----	"	520	-----	520	-----	"	"	"	-----	same
10	"	2 50	yes*	"	585	-----	585	10	neither	neither	"	-----	worse
10	"	2 50	-----	"	628	-----	628	-----	"	"	"	-----	same
10	"	2 00	-----	"	628	-----	628	10	inc. 25%	"	100	-----	worse
10	"	2 50	yes*	"	455	-----	455	10	neither	neither	no	-----	"
10	"	1 75	-----	"	500	-----	500	10	"	"	"	-----	same
10	"	1 50	-----	"	470	-----	470	10	"	"	yes*	-----	same
10	"	1 15	-----	"	380	-----	380	11 1/4	"	"	100	-----	"
10	"	1 65	-----	"	513	-----	513	11 1/4	"	inc. 15c day	200	-----	same
10	mo.	80 00	-----	"	105	-----	105	11 1/4	"	neither	90	-----	same
10	day	1 25	-----	"	391	-----	391	-----	"	"	no	-----	worse
11	mo.	75 00	-----	"	900	-----	900	12	inc. \$10 mo.	"	"	-----	same
11	"	75 00	-----	"	900	-----	900	12	"	"	200	-----	worse
10	"	75 00	hr 20c	"	325	\$50	875	10	neither	"	100	-----	"
10	"	100 00	80c	"	1,100	15	1,015	-----	"	"	300	-----	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Cause for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3765	Pontiac	Engineer	P. O. & N.	Can.	35	m	2	2	10	10 11 1/2	1/2			Vacation
3766	"	"	"	Am.	40	"	2	2	10	10 12				
3767	"	Fireman	"	"	22	s	"	"	12	12 12				
3768	"	Brakeman	"	"	27	m	2	1	12	12 12 9 1/2	2 1/2			Accident
3769	"	Baggageman	"	"	26	s	"	"	12	12 12				
3770	"	"	"	"	26	m	2	1	10	10 10	2			Laid off
3771	Imlay City	Agent	"	"	23	"	2	"	11	11 12				
3772	Oxford	"	"	"	29	s	3	"	14	10 12				
3773	North Branch	"	"	"	23	"	"	"	12	12 12				
3774	Clifford	"	"	Can.	39	m	3	4	14	14 11	1			Vacation
3775	Owendale	"	"	"	25	s	"	"	14	14 6	6			Sickness
3776	Pigeon	Operator	"	"	31	m	2	"	17	17 12	3			"
3777	Oxford	Baggageman	"	Am.	23	s	"	"	16	12 12				
3778	Clifford	"	"	Can.	20	"	"	"	12	12 12				
3779	Pontiac	Blacksmith	"	Am.	32	m	2	2	10	10 12	1			Sickness
3780	"	Car repairer	"	"	23	"	"	2	10	10 12				
3781	"	Helper	"	"	30	"	2	2	10	10 7				
3782	Clifford	Sec. for m'n	"	"	28	"	3	10	10	10 12				
3783	"	"	"	"	40	"	2	2	10	10 12				
3784	Pontiac	Sectionman	"	"	25	"	1	10	10 12					
3785	"	"	"	Irish	33	"	2	2	10	10 12				
3787	Escanaba	Conductor	C. & N. W.	Am.	32	"	2	1	11	11 12				
3788	Ishpeming	Engineer	"	"	38	"	2	5	11	11 12				
3789	"	"	"	"	36	"	2	1	11	11 12				
3790	Negaunee	"	"	"	35	"	2	3	11	11 12				
3791	"	"	"	"	33	"	2	"	10	10 12				
3792	Escanaba	"	"	"	45	s	"	"	10	10 12				
3793	Ishpeming	"	"	"	36	"	"	"	11	11 12				
3794	"	"	"	"	36	m	2	3	11	11 12				
3795	Iron Mountain	"	"	"	30	"	2	1	10	10 10	2			Lack of work
3796	Bessemer	"	"	"	31	"	2	2	12	12 12				
3797	Ishpeming	Fireman	"	"	25	"	3	2	11	11 12				
3798	Escanaba	"	"	"	33	"	2	2	12	12 12				
3799	Marquette	"	"	"	35	s	"	"	11	17 12				
3800	Negaunee	"	"	"	26	"	"	"	11	11 12				
3801	Ishpeming	"	"	"	23	"	"	"	11	11 12				
3802	Escanaba	Brakeman	"	"	23	"	"	"	11	11 12				
3803	Gladstone	"	"	French	45	m	2	4	10	10 11	1			Sickness
3804	Escanaba	"	"	"	14	"	2	5	10	8 10	2			"
3805	Crystal Falls	"	"	Am.	29	s	"	"	8	8 12	10			"
3806	Iron Mountain	"	"	"	24	m	2	"	10	10 7	5			Lack of work
3807	Escanaba	"	"	"	32	"	2	"	"	7	5			Sick & l. of w.
3808	Fluence	"	"	Ger.	24	s	"	"	8	8 10	2			Sickness
3809	Iron Mountain	"	"	French	28	m	2	2	10	10 7	5			Lack of work
3810	Champion	"	"	Am.	32	"	2	"	10	10 12				
3811	"	"	"	French	31	"	2	1	11	11 12				
3812	Bessemer	"	"	Irish	21	s	"	"	11	11 12				
3813	"	"	"	Am.	31	"	"	"	10	12 12	10			Vacation
3814	Grand Rapids	Operator	"	Eng.	21	"	"	"	10	10 12				
3815	Iron Mountain	Brakeman	"	Am.	22	"	"	"	10	10 10	2			Injury
3816	Champion	"	"	"	35	m	2	"	"	12				
3817	Crystal Falls	Baggageman	"	Irish	35	"	3	"	10	10 12				
3818	Escanaba	"	"	Am.	21	s	"	"	10	10 8	4			Lack of work
3856	Iron Mountain	Clerk	"	"	25	"	"	"	10	12				
3857	Bessemer	Baggageman	"	"	26	w	1	1	15	15 10	2	4		
3858	Ishpeming	"	"	"	40	m	2	4	10	10 12				
3859	Iron Mountain	Carpenter	"	Swede.	25	"	2	"	8	10 11	1			Sickness
3890	"	"	"	"	38	"	2	4	8	10 12				
3891	"	"	"	"	28	s	"	"	8	10 12				
3892	Escanaba	Painter	"	Ger.	38	m	2	3	9	10 9	3			Lack of work
3893	"	"	"	Finnl.	31	"	2	1	1	10 8	4			"
3894	Iron Mountain	Car repairer	"	Am.	34	"	2	4	12	12 12				
3895	Bessemer	"	"	Pole	26	"	2	2	10	10 12				
3896	Ishpeming	Blacksmith	"	Nor.	34	"	2	4	8	8 12				
3897	"	"	"	Swede.	29	"	2	4	9	10 12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$5 00	hr. 33c	mo.	\$978	\$50	\$1,028	10	neither		\$150	worse	worse
10	"	108 00	"	"	1,200		1,200	10	"	neither	300	"	"
12	"	45 00	"	"	540	50	590	12	inc. 25c day		100	same	same
12	day	1 75	"	"	432	25	457	12	neither	inc. \$5 mo.	no	"	"
12	mo.	45 00	"	"	540	15	555	12	"	"	50	"	"
10	"	45 00	hr. 25c	"	450	25	475	10	"	"	no	worse	worse
11	"	40 00	"	"	480		480		inc. \$5 mo.	dec. \$10 mo.	"	"	"
12	"	50 00	"	"	600		600		inc. \$10 mo.	inc. 20 "	"	better	better
12	"	40 00	"	"	480		480		"	"	350	same	"
14	"	50 00	"	"	550		550		"	neither	100	"	better
14	"	38 00	"	"	285		285		"	dec. \$5 mo.	no	"	same
17	"	40 00	"	"	490		490		"	neither	100	"	"
14	"	35 00	"	"	420		420		"	dec. \$5 mo.	no	"	better
12	"	25 00	"	"	300		300		"	"	"	"	"
10	"	45 00	"	"	540	21	561	10	"	dec. \$8 wk.	50	same	worse
10	day	1 25	yes*	"	401	50	451	10	"	inc. 15c day	100	worse	"
10	"	1 25	"	"	228	12	240	10	"	neither	50	same	same
10	"	1 65	"	"	516	16	532		"	"	300	"	"
10	mo.	40 00	"	"	480		480		"	"	no	worse	worse
10	day	1 10	hr. 11c	"	344	10	354	10	"	"	"	"	"
10	"	1 10	"	"	344	15	359	10	"	"	"	"	"
11	mo.	80 00	yes*	"	960	100	1,060		"	inc. \$3 mo.	"	"	"
11	day	2 75	"	"	880		880	11	"	neither	"	"	"
11	"	2 75	"	"	880		880	11	"	"	"	"	"
11	"	2 75	"	"	880		880	11	"	"	"	"	"
10	"	2 75	"	"	880		880	11	"	neither	"	"	"
10	"	3 70	"	"	1,158		1,158		"	"	"	"	"
11	"	2 75	"	"	860		860	11	"	"	150	"	"
11	"	2 75	"	"	858		858	11	"	"	no	"	"
10	mo.	70 00	"	"	700		700		"	"	"	"	"
12	day	2 75	hr. 27½c	"	880		880	12	"	"	"	"	"
11	"	1 75	yes*	"	578		578	10	"	"	"	"	"
12	"	2 20	"	"	689		689		"	"	"	"	"
11	"	2 00	"	"	626		626	11	"	"	"	"	"
11	"	2 00	"	"	626		626	11	"	"	"	"	"
11	"	1 75	"	"	548		548	11	"	"	"	"	"
11	mo.	52 00	"	"	624	60	684	10	"	"	"	"	"
10	"	54 00	"	"	594		594	11	"	"	200	"	"
9	"	60 00	"	"	600		600	11	"	"	no	"	"
10	"	58 00	"	"	674		674		"	"	"	"	"
10	"	60 00	"	"	420		420		"	increase	"	"	"
12	"	52 00	"	"	384	70	454		"	"	"	"	"
10	"	50 00	"	"	500		500		neither	"	"	same	same
10	"	60 00	"	"	420		420	10	"	inc. \$5 mo.	no	worse	worse
10	"	45 00	"	"	540		540		"	neither	"	"	"
11	"	52 00	"	"	624		624	11	"	inc. 10%	"	"	"
11	"	52 00	"	"	624	45	669	10	"	" %	"	"	"
11	day	2 25	hr. 30c	"	682		682	10	"	inc. 35c day	"	"	worse
10	mo.	45 00	"	"	540		540		"	neither	300	"	"
10	"	50 00	"	"	500		500	10	"	"	"	"	"
10	mile	02	"	"	600		600		increase	increase	yes*	"	"
10	mo.	55 00	"	"	660		660		neither	inc. \$5 mo	no	same	same
10	"	52 00	"	"	416		416	10	"	neither	"	worse	worse
15	"	50 00	"	"	600		600		"	"	no	"	"
10	"	40 00	"	"	394		394		inc. \$5 mo.	"	"	"	"
10	"	45 00	"	"	540		540		neither	"	"	"	"
9	day	2 25	"	"	643		643		"	"	50	"	"
9	"	2 25	"	"	704		704		"	inc. 25c day	no	"	"
9	"	2 25	"	"	704		704		"	" 25c "	100	"	"
9½	"	2 50	"	"	585		585		"	neither	no	"	"
12	"	2 25	"	"	468		468		"	dec. 25c day	"	"	"
12	mo.	60 00	"	"	720		720		"	neither	yes*	"	"
10	day	2 00	hr. 17½c	"	624		624	10	inc. 25c day	inc. 25c day	200	worse	worse
9	mo.	60 00	yes*	"	720		720	10	"	"	no	"	"
9½	day	2 50	"	"	783		783	10	"	neither	75	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroads where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.			Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.	Days.	
3668	Iron Mountain	Fireman	C. & N. W.	Eng.	28	m	4	2	10	10	12			
3669	"	Car repairer	"	Ger.	30	"	2	2	10	10	12			
3670	Ishpeming	"	"	Swede	39	"	2	2	8	10	12			
3671	Champion.	Yard master	"	Am.	31	"	2	1	10	10	12			
3672	Iron Mountain	"	"	"	32	"	2	2	10	11	12			
3673	"	Switchman	"	"	28	"	2		12	12	5	7		Sickness
3674	Bessemer.	"	"	"	24	s			10	10	12			
3675	"	"	"	"	26	"			10	10	12			
3676	"	"	"	"	40	"			10	10	12			
3677	"	"	"	"	29	"			10	10	12			
3678	Champion.	"	"	Can.	28	m	2	2	10	10	12			
3679	"	"	"	Am.	25	"			10	10	12			
3680	Crystal Falls	"	"	"	20	"			10	10	11	1		Injury
3681	Iron Mountain	"	"	Swede.	22	"			10	10	6	6		Lack of work
3682	"	"	"	Am.	27	m	2		10	10	12		2	
3683	"	"	"	Swede.	23	"	2		10	10	7	5		Lack of work
3684	"	"	"	French	27	"	2	4	10	10	7	5		"
3685	"	"	"	Swede.	24	"	2		10	10	7	5		"
3686	Ishpeming	"	"	Am.	34	"	2	4	10	10	12			
3687	Negaunee	"	"	"	28	s			10	10	12			
3688	Ishpeming	"	"	"	25	"			10	10	12			
3689	"	"	"	"	33	"			10	10	12			
3690	"	"	"	"	38	m	2	3	10	10	12			
3691	"	"	"	"	36	"	2	3	10	10	12			
3692	Negaunee	"	"	"	31	"	2	4	10	10	12			
3693	"	"	"	"	35	"	2	4	10	10	12			
3694	"	"	"	"	26	s			10	10	12			
3695	"	"	"	Irish	34	m	2		10	10	12			
3696	"	"	"	Am.	39	"	2		10	10	12			
3697	"	"	"	"	26	s			10	10	12			
3698	"	"	"	"	24	"			10	10	12			
3699	Ishpeming	"	"	"	38	m	2	6	10	10	12			
3700	"	"	"	Irish	38	"			10	10	12			
3701	"	"	"	Am.	38	"			10	10	12			
3702	"	"	"	"	28	"			10	10	12			
3703	Republic	Target man	"	"	19	"			12	12	12			
3704	"	"	"	"	20	"			12	12	12			
3705	Iron Mountain	Flagman	"	"	67	m	2	1	10	10	12			
3706	"	"	"	French	63	"	2		10	10	12			
3707	"	"	"	Eng.	66	"	2		10	10	12			
3708	"	"	"	"	65	s			10	7	5			Lack of work
3709	"	"	"	Swede.	32	m	2	1	10	8	9			Injury.
3710	"	"	"	Can.	51	"	2		10	10	12			
3711	Ishpeming	"	"	Irish	55	"	2	2	10	10	12			
3712	Negaunee	"	"	"	44	"	2	7	10	10	12			
3713	"	"	"	"	50	"	2	8	10	10	12			
3714	Ishpeming	Gateman	"	Am.	40	"	2	2	10	10	12			
3715	Negaunee	Car inspect.	"	"	34	"	2		10	10	12			
3716	"	"	"	Irish	35	s			10	10	12			
3717	Ishpeming	R. H. f'man	"	Am.	54	m	2	2	12	12	12			
3718	Iron Mountain	Wiper	"	"	18	s			10	10	5	7		
3719	"	"	"	"	21	"			10	10	12			
3720	"	"	"	"	19	"			10	10	9	3		Lack of work
3721	Ishpeming	"	"	"	18	"			8	8	12			
3722	"	"	"	"	23	"			8	8	12			
3723	"	"	"	Swede.	40	m	2	3	8	8	12			
3724	Negaunee	Watchman	"	Irish	45	"	2	6	12	12	12			
3725	Swansy	Sta. foreman	"	"	26	s			11	11	12			
3726	"	Track	"	"	48	m	2		11	11	12			
3727	Negaunee	Section	"	Am.	41	"	2	4	10	10	12			
3728	Republic	"	"	Irish	41	s			10	10	12			
3729	Negaunee	Foreman	"	Swede.	38	m	2	3	10	10	12			
3730	"	"	"	Am.	34	"	2		10	10	12			
3731	Ishpeming	"	"	Irish	50	"	2	4	10	10	12			
3732	"	"	"	"	52	"	2	2	10	10	12			
3733	Carney	"	"	Am.	43	"	3	2	10	10	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
10	mo.	\$45 00		mo.	\$540		\$540	10	neither	neither		worse	worse
10	day	2 00			626		626	10	"	"	\$100	"	worse
10	mo.	1 60	yes*	"	500		500	10	"	"	no	"	"
10	mo.	65 00		"	783		780						
10	day	2 11		"	960		960		inc. \$5 mo.	inc. \$5 mo.			
10	mo.	80 00		"	274		274		increase		no		
10	day	2 50	hr 25c	"	783		783	10	neither	neither			worse
10	mo.	2 50	" 25c	"	783		783	10	"	inc. 40c day			
10	mo.	2 50	" 25c	"	788		788	10	"	neither	no		
10	mo.	2 50	" 25c	"	783		783	10	"	"	"		
10	mo.	55 00	yes*	"	660	\$120	780	10	"	"	"		
10	mo.	55 00		"	660		660	10	"	"	"		
10	mo.	60 00	hr 22c.	"	660		660		"	"			
10	mo.	60 00		"	360	50	410						worse
10	mo.	65 00		"	775		775		inc. \$5 mo.	inc. \$10 mo.			
10	mo.	60 00	hr. 23c	"	420		420		neither	10	no	worse	worse
10	mo.	60 00		"	420		420		"	inc. \$5 mo.			
10	mo.	60 00		"	420	50	470	10	"	10			worse
10	day	2 30	yes*	"	720		720	10	"	neither			
10	mo.	60 00		"	720		720	10	"	"			
10	day	2 30		"	720		720	10	"	"			
10	mo.	2 30		"	720		720	10	"	"			
10	mo.	2 30		"	720		720	10	"	"			
10	mo.	2 30		"	720		720	10	"	"			
10	mo.	2 30		"	720		720	10	"	"			
10	mo.	1 25		"	391		391	10	"	"		worse	same
10	mo.	2 50		"	783		783	10	"	"			worse
10	mo.	60 00		"	720		720	10	"	"			
10	mo.	60 00		"	720		720	10	"	"			
10	mo.	65 00		"	780		780	10	"	"			
10	mo.	60 00		"	720		720	10	"	"			
10	day	2 50		"	720		720	10	"	"			
10	day	2 30		"	783		783	10	"	"			
10	mo.	2 30		"	720		720	10	"	"			
10	mo.	2 25		"	704		704	10	"	"			
10	mo.	2 50		"	783		783	10	"	"			
10	mo.	40 00		"	480		480	10	"	inc. 20c day	200		
10	mo.	40 00		"	480		480	10	"		300		
10	mo.	30 00		"	360		360	10	"		130		
10	day	1 40		"	360		360	10	"				worse
10	mo.	1 40		"	255		255	10	"				
10	mo.	1 40		"	109		109	10	"				
10	mo.	1 40		"	438		438	10	"				
10	mo.	40 00		"	480		480	10	"	neither			
10	day	1 25		"	391		391	10	"				
10	mo.	1 00		"	313		313	10	"				
10	mo.	45 00		mo.	540		540	10	neither				
10	day	1 25	yes*	"	579		579	10	"	neither			
10	mo.	1 75		"	548		548	10	"				
10	mo.	100 00		"	1,200		1,200	10	"	neither	300		
10	mo.	45 00		"	225		225	10	"				
10	mo.	45 00		"	540		540	10	"				
10	day	1 30		"	405		405	10	dec. 20%	dec. 20%		worse	worse
10	mo.	1 40		"	407		407	10	" 20%	dec. 20%	no		
10	mo.	1 60		"	438		438	10	" 20%				
10	mo.	1 25		"	500		500	10	neither				
10	mo.	45 00		"	391		391	10	"				
10	mo.	45 00		"	540		540	10	"	dec. \$5 mo.			
10	mo.	45 00		"	540		540	10	"	neither	100		
10	mo.	45 00		"	540		540	10	"	dec. \$5 mo.	no		
10	mo.	45 00		"	540		540	10	"	neither			
10	mo.	50 00	yes*	"	600		600	10	"				
10	mo.	50 00		"	600		600	10	"				
10	mo.	45 00		"	540		540	10	"				
10	mo.	45 00		"	540		540	10	"				
10	mo.	45 00		"	540		540	10	"				

Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
3934	Brampton	Foreman	C. & N. W.	Swede.	29	s			10	10	12			
3935	Iron Mountain	"	"	Am.	33	m	2	3	10	10	12			
3936	"	"	"	Ger.	33	s			12	12	12			
3937	Champion	"	"	Swede.	33	m	2	2	10	10	12			
3938	Republic	"	"	Am.	36	s			10	10	12			
3939	Bessemer	Sectionman	"	Pole	33	s	2	4	10	10	12			
3940	Iron Mountain	Foreman	"	Dane	34	s	2	3	10	10	12			
3941	Negannee	Sectionman	"	Am.	33	s	2	3	10	10	12			
3942	"	"	"	"	34	s	2	3	10	10	12			
3943	"	"	"	"	34	s	2	3	10	10	12			
3944	"	"	"	"	33	s	2	1	10	10	12			
3945	"	"	"	Swede.	41	m	2	4	10	10	12			
3946	"	"	"	Irish	42	s	2	3	10	10	12			
3947	Ishpeming	"	"	Irish	29	s			10	10	12			
3948	"	"	"	Irish	22	s			10	10	12			
3949	"	"	"	Finn	40	m	2	6	10	10	12			
3950	"	"	"	Irish	32	s			10	10	12			
3951	"	"	"	Irish	21	s			10	10	12			
3952	"	"	"	Swede	39	m	2	4	10	10	12			
3953	"	"	"	Am.	18	s			10	10	12			
3954	"	"	"	Irish	40	m	2	3	10	10	12			
3955	"	"	"	Finn	29	s			10	10	12			
3956	"	"	"	Swede.	34	m	2	5	10	10	10	2		
3957	"	"	"	Finn	41	s	2	5	10	10	12	2		
3958	"	"	"	Swede.	24	s			10	10	10	2		
3959	Champion	"	"	"	45	m	2	2	10	10	12			
3960	"	"	"	"	42	s	3	2	10	10	12			
3961	"	"	"	"	47	s			10	10	12			
3962	Republic	"	"	"	40	m	2	3	10	10	12			
3963	Negannee	Laborer	"	Am.	28	s			10	10	12			
3964	"	"	"	"	36	m	2	3	10	10	12			
3965	"	"	"	Irish	34	s			10	10	12			
3966	Ishpeming	"	"	Nor.	33	m	2	4	10	10	12			
3967	"	"	"	Swede.	22	s			10	10	12			
3968	"	"	"	Nor.	25	s			8	8	12			
3969	"	"	"	Swede.	22	s			8	8	12			
3970	"	"	"	"	38	s			10	10	11			
3971	Brampton	"	"	"	23	s			10	10	11	1		Sickness
3972	Iron Mountain	"	"	Ger.	24	m	2		10	10	12			
3973	"	"	"	"	38	s			10	10	12			
3974	"	"	"	Ital.	30	m	2	1	10	10	12			
3975	"	"	"	"	32	s			10	10	11 1/2	15		Sickness
3976	"	"	"	"	45	s			10	10	6	6		
3977	"	"	"	"	45	s			10	10	12			
3978	"	"	"	"	45	s			10	10	12			
3979	"	"	"	Pole	31	m	2	1	10	10	12			
3980	"	"	"	Ital.	30	s	2	1	10	10	12			
3981	"	"	"	Swede.	36	s	2	3	10	10	12			
3982	"	"	"	Dane	51	s	2	4	10	10	12			
3983	"	"	"	"	22	s			10	10	5	7		
3984	"	"	"	Ger.	20	s			10	10	12			
3985	Ishpeming	Warehouse'm	"	Am.	27	m	2	3	10	10	12			
3986	"	"	"	Eng.	27	m	2	3	10	10	12			
3987	Iron Mountain	"	"	"	27	m	2		10	10	12			
3988	"	"	"	Am.	19	s			12	12	11	1		Lack of work
3989	"	"	"	Irish	42	m	2	6	10	10	12			
3990	"	"	"	"	40	s	2	2	10	10	12			
3991	Iron Mountain	"	"	Am.	44	s	2	3	10	10	12			
3992	Ishpeming	Car cleaner	"	"	23	s			10	10	12			
3993	"	"	"	Swede.	45	m			10	10	12			
3994	Iron Mountain	Dispatcher	"	Am.	31	s	2	2	10	14	12			
3995	Gladstone	Conductor	"	"	46	"	3	1	12	12	7			
3997	"	"	"	"	35	"	2	1	12	12	10	2		Lay off
3998	"	"	"	"	30	"	2	1	12	12	10	2		Lack of work
3999	"	"	"	"	29	"	2	1	12	12	11	1		

Railway employes.

[illegible]

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
4300	Gladstone	Conductor..	*	Irish	37	m	2	1	16	12	11	1			
4001	S't Ste. Marie	"	"	Am.	28	"	3	2	7	7	12				
4002	Gladstone	"	"	"	28	"	2	2	12	12	11	1			Sickness
4003	"	"	"	"	42	"	2	2	12	12	12				
4004	S't Ste. Marie	"	"	"	35	"	2	3	6	6	12				
4005	Gladstone	"	"	"	35	"	1	12	12	11 1/4	2 1/4				Vacation
4006	Minneapolis	Engineer	"	"	38	"	3	6	8	8	10				Sickness
4007	Gladstone	"	"	"	38	"	2	1	12	12	12	10			
4008	"	"	"	"	34	"	2	3	8	8	12				
4009	S't Ste. Marie	"	"	"	34	"	2	4	12	12	12				
4010	Gladstone	"	"	French	47	"	2	6	12	12	11	1			Sickness
4011	S't Ste. Marie	"	"	Am.	37	"	2	1	12	12	11	1			
4012	Norwood	Fireman	"	"	24	s			12	12	1				
4013	Gladstone	"	"	"	24	"			12	12	12				
4014	"	"	"	"	32	"			17	17	8	4			Sick & l. of w.
4015	"	"	"	"	32	"			12	12	4 1/4	7 1/2			Lack of work
4016	S't Ste. Marie	"	"	Can.	36	"			12	12	10	2			"
4017	Gladstone	"	"	"	21	"			12	12	10	2	2		"
4018	"	"	"	Am.	22	"			12	12	10	2			Sick & l. of w.
4019	S't Ste. Marie	"	"	Scotch	24	"			12	12	12				
4020	Gladstone	"	"	Can.	27	m	2	1	8	8	11	1			Vacation
4021	"	"	"	Am.	23	s			14	14	12				
4022	"	Brakeman	"	Irish	30	"			15		8	4			Accident
4023	"	"	"	Am.	22	"			12	12	11	1			
4024	"	"	"	"	27	"			14		11	30			Pleasure
4025	"	"	"	"	24	"			12	12	11	1			Sickness
4026	"	"	"	"	22	"			14	14	12				
4027	"	"	"	"	35	"			12	12	9	3			Sick & l. of w.
4028	"	"	"	"	22	"			10	10	8	4			Lack of work
4029	"	"	"	French	32	m	2	4	18	18	10	2			"
4030	"	"	"	Am.	24	s			12	12	9	2	11		Sick & l. of w.
4031	"	"	"	"	34	"			12	12	8	4			Lack of work.
4032	"	"	"	"	30	m	2	1	10	10	11	1			Sick & vacat'n
4033	"	"	"	"	27	"	2	2	5	5	10	2			Sickness
4034	S't Ste. Marie	"	"	Can.	29	"	2		5	5	12				
4035	"	Baggage man	"	Am.	29	s			10	10	11 1/4	20			Sick & l. of w.
4036	"	"	"	"	36	m	2	1	15	15	11	1			Sickness
4037	"	"	"	"	31	"	2	2	16	16	12				
4038	"	"	"	"	22	s			10	10	12				
4039	"	Car repairer	"	"	28	m	2	1	10	10	12				
4040	"	"	"	"	40	"	2	6	10	10	12				
4041	"	"	"	"	36	"	2		12	12	12				
4042	"	Yardmaster	"	"	27	"	2	1	14	12	13				
4043	"	"	"	Can.	27	"	2	1	14	12	13				
4044	"	"	"	Am.	28	"	2	2	12	12	12				
4045	St. Paul	Switchman	"	"	21	s			10	10	12				
4046	Gladstone	"	"	"	24	m	2	1	10	10	12				
4047	"	"	"	"	32	s			10	10	4	8			Lack of work
4048	Cooke	S't. forem'n	"	Irish	33	m	2	2	10	10	13				
4049	S't Ste. Marie	Sectionman	"	Am.	39	s			10	10	8	4			Sick & l. of w.
4050	"	"	"	Can.	40	m	2	3	10	10	11 1/4	15			Sickness
4051	Cooke	"	"	Irish	38	s			10	10	12	3			Recreation
4052	"	"	"	"	38	s			10	10	12				
4053	Kalamazoo	Conductor..	C. K. & S.	Am.	31	m	2	3			12				
4054	"	Baggage man	"	"	24	"	2		12	12	12				
4055	Creeey	Agent	"	"	47	"	2	7	19	19	10				
4056	Shulte	"	"	"	28	"	2		4	4	12				
4057	Kalamazoo	"	"	"	27	"	2	1	12	12	12				
4058	"	Clerk	"	Am.	23	s			10	10	13				
4059	"	Check clerk	"	"	"	"			10	10	12				
4060	"	Billing cl'k	"	"	21	"			10	10	7	5			Lack of work
4061	"	Sec. for m'n	"	"	35	m	2	1	10	10	10	2			"
4062	"	Sectionman	"	Hol.	24	s			10	10	12				
4063	"	"	"	"	24	s			10	10	12				
4064	Benton Harb'r	Conductor..	C.C.C. & St. L.	Am.	47	m	2				11	1			Sickness
4065	St. Joseph	Engineer	"	"	46	"	2				12				
4066	Benton Harb'r	"	"	"	33	"	2	2	10	10	11 1/2	1/2			Vacation

* M. St. P. & S. S. M.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
14	mile \$0 03			mo.	\$858		\$858		decrease	neither	no	worse	worse
7	mo. 100 00				1,200		1,200	12	dec. 5%	neither	\$400	"	"
12	75 00				825		875	12	neither	inc. 5%	no	"	"
12	mile 03	hr. 30c			900	60	960	10		neither	200	"	"
6	mo. 100 00				1,200	120	1,320				500	"	"
12	mile 03	hr. 30c			1,000		1,000	12		inc. ¼c mi.	800	"	"
8	mo. 100 00				1,000		1,000			neither	400	same	better
8	mile 03.7				1,121		1,121	12				same	same
8	mo. 08.7				1,154	300	1,454	12			200	worse	worse
8	day 2 75	mi. 3¼c			861	90	951	12			no	same	same
12	mile 03½	hr. 37c			1,000		1,000	12			yes*		
12	mo. 08.7				1,050		1,050	12				worse	
12	" 02.2				80		80				no		
12	" 2 30	hr. 23c			720		720						better
17	mile 02.35				600		600			neither	100		worse
12	mo. 75 00				335		335				no	"	"
12	" 75 00				750		750				"	"	"
12	" 65 00				650		650	12	decrease	inc. 25%	"	"	same
12	day 2 35				735		735	12		neither	"	"	worse
12	" 2 00	hr. 20c			626	30	656	12	dec. 30%	decrease	"	"	
8	" 2 20				629		629	12	neither	neither	"	"	better
14	mile 02				720		720	14			yes*	"	worse
12	" 02				600		600	14			no	"	"
12	" 2 00				572		572	14		inc. \$5 mo	"	"	"
12	mile 02				700	50	750	12	decrease	increase	800	same	better
12	day 2 00				572		572		neither	inc. \$5 mo.	no	worse	worse
14	mile 02				600		600	14		increase	yes*	"	"
10	mo. 60 00				540		540		decrease	decrease	no	"	"
10	" 60 00				480		480			inc. 25%	"	"	better
18	" 60 00				600		600		neither	" 25%	"	"	worse
12	" 60 00				503		503		decrease	" 25%	80	"	better
12	" 60 00				480		480			" 25%	180	"	same
10	mile 02				752	92	844	12	neither	inc. 2¼c mi.	150	"	worse
5	day 1 78				450		450			neither	no	"	"
5	" 1 73				542	120	662				200	"	better
10	mo. 60 00				800		800		dec. \$10 mo.	dec. \$10 mo.	150	"	worse
15	" 70 00				770		770		neither	inc. 10 "	no	"	"
16	" 70 00				840		840			" 10 "	"	same	same
10	" 50 00				600		600			decrease	100	worse	worse
10	day 1 58½	hr. 16c			495	10	505	10	dec. 10%	dec. 10%		"	"
10	" 1 58½	" 16c			495	20	515	10	" 10%	" 10%	no	"	"
12	mo. 100 00				1,200		1,200		neither	neither	"	"	"
12	day 2 50	hr. 25c			783	48	831	12			"	"	better
12	" 2 25	" 25c			704	40	744	12	dec. 5%	dec. 5%	"	"	worse
10	" 2 25				704	25	729		neither	neither	"	same	better
10	" 2 25	hr. 22c			704		704	10½			"	worse	worse
10	" 2 27				650		650	10			"	better	
10	mo. 45 00				540		540				250	worse	better
10	day 1 25				260		260			neither	no	"	worse
10	" 1 25				378		378				"	"	"
10	" 1 25				390		390	12	dec. 25c day	dec. 25c day	200	same	same
3¼	mo. 65 00				780		780		neither		80	worse	worse
12	" 45 00				540		540			neither	no	same	same
10	" 15 00				190		190				"	worse	worse
4	" 15 00				180		180			inc. \$5 mo.	yes*	"	better
12	" 50 00				600		600		neither	neither	100	"	worse
10	" 50 00				600		600		inc. \$5 mo.	inc. \$5 mo.	no	better	better
10	" 40 00				480		480		neither	neither	"	"	"
10	" 35 00				245		245				"	worse	worse
10	" 37 00				370		370		dec. \$8 mo.	inc. \$8 mo.	"	"	"
10	day 1 10				344		344		neither		"	"	"
10	mo. 100 00	hr. 25c			1,100		1,100		dec. 5%	inc. \$10 mo.	300	same	same
10	mile 03½	" 40c			1,300		1,300		neither	neither	yes*	"	"
10	day 2 70	" 27c			810	150	960	10		inc. 30c day	400	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
4077	Benton Harb'r	Fireman	C.O.C.&St.L.	Am.	28	m	2	2	10	10	12	3		Sickness
4078	"	Brakeman	"	"	25	m	2		10	10	12			
4079	"	"	"	"	34	m	2	1	12	12	12			
4080	"	"	"	"	28	m	2	1	10	10	19	3		Illness of wife
4081	"	Baggage man	"	"	40	m	2	4	10	10	12			
4085	Sodus	Agent	"	"	39	m	3	1	12	12	12			
4086	Fairland	"	"	"	69	m	2	8	12	12	12			
4087	Eau Claire	"	"	"	22	m	2	1	14	14	12	5		Sickness
4088	Niles	Operator	"	"	26	s			12	12	12			
4089	Benton Harb'r	"	"	"	19	m			12	12	4	8		Att'd'g school
4095	"	Clerk	"	Scotch	24	m	2	2	15	15	12			
4096	"	"	"	Am.	23	s					12			
4097	"	Baggage man	"	"	20	s			10	10	12			
4098	"	Car repairer	"	"	24	m			10	10	7	5		Sickness
4099	"	"	"	"	38	m	2	1	10	10	12			
4100	"	"	"	"	30	m	2	2	10	10	9	3		Sickness
4101	St. Joseph	"	"	"	50	m	3		12	12	12			
4106	Benton Harb'r	Shopman	"	"	25	s			12	12	11	1		Vacation
4107	"	Yardmaster	"	"	48	m	2		12	12	12			
4108	"	Switchman	"	"	25	s			10	10	6	6		Sickness
4109	"	"	"	"	18	m			12	12	11	1		
4110	"	"	"	"	21	m			12	12	6 1/2	5 1/2		Sick & l. of w.
4111	Niles	Flagman	"	Irish	58	m	10	3	10	10	12			
4112	Benton Harb'r	E. H. f'man	"	Am.	36	s	2	1	12	12	12			
4121	Niles	Sectionman	"	"	42	m	8	3	10	10	12			
4122	Benton Harb'r	"	"	Ger.	33	m			10	10	12			
4123	"	"	"	Am.	36	m	2	3	10	10	12			
4124	Niles	"	"	"	23	s			10	10	12			
4125	"	"	"	Ger.	26	m	2	3	10	10	12			
4126	Sodus	"	"	"	37	m	2	5	12	12	12			
4127	Benton Harb'r	Car cleaner	"	Am.	58	m	2		10	10	11 1/2	14		Lack of work
4128	"	"	"	"	20	m	2	1	10	10	9	3		Other business
4137	Owosso	Conductor	T.A.A.&N.M.	"	32	m	2	2			12			
4138	"	"	"	"	39	m					12			
4139	"	"	"	"	32	s	2	2			10	2		Vacation
4140	"	"	"	Scotch	25	m					10			
4141	"	"	"	Eng.	47	m	2	2			7	5		Accident
4142	"	"	"	Can.	38	m	2	3			12			
4143	"	"	"	Eng.	35	m	2				10	2		Lay off
4144	"	"	"	Ger.	52	m	2	6			8	4		Pleasure
4145	"	"	"	Am.	33	m	2	2			10	2		Vacation
4146	Frankfort	"	"	"	31	s			12	12	12			
4147	Ypsilanti	"	"	"	42	w	2	3			11	1		Accident
4148	Cadillac	Engineer	"	Scotch	41	m	2	1	10	10	11	1		Lack of work
4149	Owosso	"	"	Am.	24	s			8	8	12			
4150	"	"	"	"	28	s			12	12	12			
4151	"	"	"	"	38	s					12			
4152	"	"	"	"	22	m					12			
4153	"	"	"	"	35	m					12			
4154	"	"	"	"	30	m			11	11	12			
4155	"	"	"	"	40	m	2	1			11	1		Lack of work
4156	"	"	"	"	38	m	2	2			12			
4157	"	"	"	"	41	s					11	1		
4158	"	"	"	Dane	24	m					7	5		Lay off
4159	"	"	"	Can.	34	m	2				11	1		Lack of work
4160	"	"	"	Am.	28	m					6	6		"
4161	"	"	"	"	40	m	2	3			10	2		Sickness
4162	"	"	"	"	34	m	2	1	12	12	12			
4163	"	"	"	"	29	m	2	1			6	6		Lack of work
4164	"	"	"	"	29	m	2	1			3	9		"
4165	"	"	"	"	28	m	2	2			12			
4206	"	Fireman	"	"	25	s			18	14	9	3		Strike
4207	"	"	"	"	34	m			20	14	9	3		"
4208	"	"	"	Can.	23	m			14	10	9	3		"
4209	"	"	"	Am.	25	m	2		18	14	9	3		"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	day	\$1 20	hr. 16c	mo.	\$496	\$104	\$600	10	neither	dec. 20c day		worse	worse
12	"	01. 05		"	600		600	12	decrease	inc. \$10 mo.	\$250	"	"
12	"	01. 20		"	600		600		"	" \$10 "	250	"	"
10	mo.	60 00		"	540		540	12	neither	dec. \$15 mo.	300	"	"
10	mile	01. 15		"	700		700	12			25	"	worse
12	mo.	45 00		"	540		540		neither	dec. \$15 mo.	no	"	"
12	"			"	75		75		"	dec. 5%	100	same	better
14	mo.	25 00		"	413		413		dec. 5%	dec. 5%	50	better	same
12	"	40 00		"	480		480		inc. \$10 mo.	neither			
12	"	25 00		"	140		140		neither	inc. \$10 mo.	280	same	better
15	"	40 00		"	480		480		"			"	"
10	"	40 00		"	480		480		"			"	"
10	day	1 25		"	391		391		"	neither	no	same	"
10	"	1 25		"	228	72	300	10	dec. 15c day	dec. 15c day	125	worse	worse
10	"	1 40	hr. 14c	"	438		438	10	neither			"	"
12	"	1 40	" 14c	"	328	82	390	10				"	"
12	mo.	45 00		"	540		540					"	"
12	day	1 37		"	392		392					"	"
12	mo.	65 00	yes*	"	780	20	800	10			500	"	"
10	"	40 00	"	"	240		240	10 1/4			no	"	"
12	day	1 62	hr. 18c	"	444		444	12				"	"
10	mo.	40 00	yes*	"	260	40	300	12				"	"
12	"	25 00		"	300		300			dec. \$15 mo.		"	worse
12	"	50 00		"	600		600					"	"
10	"	40 00		"	480		480			neither		"	"
10	"	45 00		"	540		540					"	"
10	"	45 00		"	540		540					"	"
10	day	1 10	hr. 11c	"	344		344	10				"	"
10	"	1 10		"	344		344					"	"
12	mo.	30 00		"	380		380					"	"
10	day	1 25	hr 12 1/4c	"	375	25	400	10		dec. 15c day	150	"	"
10	"	1 25	"12 1/4c	"	292	8	300	10			30	"	"
14	"	2 80		"	874		874			dec. \$15 mo.	no	"	"
12	"	2 50		"	782		782	21		" 25 "	200	same	"
15	"	5 25		"	585		585			neither	no	worse	"
16	mile	01. 9		"	500		500	14			100	"	same
12	"	02. 8		"	490		490	14			no	"	worse
14	"	02. 8		"	840		840		dec. \$5 mo.	increase		"	"
12	"	02. 9		"	700		700	18	neither	dec. \$2.50 mo	400	same	"
12	"	02. 8		"	560		560	14		inc. \$5 mo.	100	"	"
15	"	02. 8		"	750		750			neither	no	worse	"
12	"	02. 9		"	908		908				500	"	"
10	"	02. 8		"	825		825				100	same	better
10	day	2 50		"	715		715	14			400	"	"
8	mo.	85 00		"	1,020		1,020				400	"	"
12	"	100 00		"	1,200		1,200				300	"	"
13	mile	08. 6	hr. 35c	"	1,200		1,200	14			300	same	same
10	day	3 50	" 30c	"	1,095		1,095	14			50	better	better
13	mile	08. 6	" 30c	"	1,200		1,200	14			100	worse	worse
11	day	2 50		"	782		782				no	"	"
18	mile	08. 6		"	1,100		1,100	14			300	"	"
17	"	08. 6		"	1,200		1,200	14				"	"
8	day	3 90		"	1,115		1,115			increase	no	"	"
22	mo.	75 00		"	525		525		inc. \$10 mo.	decrease		"	"
16	mile	08. 6		"	1,115		1,115		neither		300	better	better
16	"	08. 6		"	636		636				no	same	same
14	"	08. 6		"	1,061		1,061		decrease		100	"	"
12	"	08. 6		"	1,277		1,277	14			200	worse	worse
16	"	08. 6		"	561		561	14		dec. \$25 mo.	no	"	"
12	day	2 50		"	195		195		neither		"	worse	worse
14	mile	08. 6		"	1,127		1,127	14				"	"
16	"	01. 9	hr 15c	"	400	15	415	14				better	better
16	"	01. 2	" 15c	"	370	27	397	14			150	same	"
12	"	01. 2		"	375		375	14			no	"	"
15	"	01. 9	hr. 15c	"	406	18	423	14				"	"

* Does not say what.

TABLE No. 1.--

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
4210	Owosso	Fireman	T.A.A. & N.M.	Am.	21	s			15	10	9	3		Strike
4211	"	"	"	"	25	s			9	9	8	4		" & sick.
4212	"	"	"	"	30	s			14	10	9	3		"
4213	"	"	"	"	31	s			14	10	11	20		Laying off
4214	"	"	"	"	38	m			16	16	10	12		"
4215	"	"	"	"	25	s					11			Lack of work
4216	"	"	"	"	30	"					8	4		Pleasure
4217	"	"	"	French	28	"			1		8	4		Lack of work
4218	"	"	"	Am.	27	"					8	4		Sickness
4219	"	"	"	"	34	s			3		7	5		"
4220	Muskegon	"	"	"	27	s			13	13	12			"
4221	Cadillac	"	"	"	37	m			10	10				Lack of work
4222	Ann Arbor	"	"	"	50	"			10	10	12			"
4223	Owosso	Brakeman	"	"	28	s			14	14	6	6		Other business
4224	"	"	"	"	40	m			6	12	12	12		"
4225	"	"	"	"	33	"			1	16	16	12		"
4226	"	"	"	Ger.	28	"			1		11	1		Lack of work
4227	"	"	"	Am.	42	s					6	6		"
4228	"	"	"	"	37	m			6	10	16	10	2	Accident
4229	"	"	"	Eng.	22	"					12			"
4230	"	"	"	"	22	s					7	5		Lack of work
4231	"	"	"	Irish	26	m			1		12			"
4232	"	"	"	Am.	28	"					11	1		"
4233	"	"	"	"	26	"					12			"
4234	"	"	"	"	25	"					12			"
4235	"	"	"	"	21	"					11	1		Lay off
4236	"	"	"	"	30	m			1		12			"
4242	"	"	"	"	31	"					8	4		Sickness
4243	"	"	"	"	21	s			14	14	11 1/2	13		Other business
4244	"	"	"	"	23	m			14	11	12			"
4245	"	"	"	"	22	s					9	3		Injury
4246	Ann Arbor	Baggage man	"	"	44	m			5	12	12	12		"
4247	Owosso	Agent	"	"	50	"					12			"
4248	Ann Arbor	"	"	"	29	"			1	12	12	12		"
4249	Corunna	"	"	Irish	25	s			12	12	11 1/2	13		Vacation
4250	St. Louis	"	"	Can.	21	m			14	14	12			"
4251	Azalia	"	"	Am.	55	"			1	12	12	12		"
4252	Chileon	"	"	"	36	"			3	10	10	11 1/2	12	Rest
4253	Cadillac	"	"	Can.	29	"			4	12	12	9	3	Sick & l. of w.
4254	Copemish	"	"	Am.	43	"			3	14	16	12		"
4255	Frankfort	"	"	"	23	s			10	10	12			"
4256	"	"	"	"	23	"			12	12	12			"
4257	Owosso	"	"	"	28	w			1	1	12	12		"
4258	"	Train dispt'r	"	Irish	26	s			8	8	11 1/2	14		Vacation
4259	"	"	"	Scotch	29	m			8	8	12			"
4260	"	"	"	Am.	24	s			8	8	8	4		Pleasure
4261	"	"	"	"	29	m			1	8	8	12		"
4262	"	"	"	Irish	32	"			8	8	12			"
4268	Emery	Operator	"	"	24	s			12	12	12			"
4269	Ann Arbor	"	"	Am.	37	m			1	12	12	6	6	Lack of work
4270	"	"	"	"	21	s					12			"
4271	"	"	"	"	36	m			1	12	12	9	3	Other business
4272	So. Frankfort	"	"	"	22	s			13	13	11	1		Sickness
4273	Ann Arbor	Cashier	"	"	26	"			9	9	12			"
4274	Owosso	"	"	"	36	m					12			"
4275	Greenville	Auditor	"	"	43	w			2	10	10	12		"
4276	Cadillac	Chief clerk	"	Irish	35	m			3	12	12	12		"
4287	Owosso	Carpenter	"	Am.	54	"			8		12			"
4288	"	"	"	Scotch	54	"			3	9	10	12		"
4289	Cadillac	Car repairer	"	Irish	33	"			10	10	12			"
4280	Frankfort	Machinist	"	Can.	45	"			7	10	10	12	8	Vacation
4291	"	Apprentice	"	Am.	21	s			10	10	11	1		Lack of work
4292	Owosso	"	"	Can.	17	"					12			"
4293	"	"	"	Am.	21	"					12			"
4294	Ann Arbor	Sta. fireman	"	"	27	m			12	12	10	2		Other business
4298	Owosso	Fireman	"	"	24	s					8	4		Lack of work

Railway Employees.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
12	mile	\$0 01.9	hr. 15c	mo.	\$400	\$25	\$425	14	neither		no	same	
9	"	01.3	" 15c	"	320		320	14	"		yes*	better	
12	"	01.9	" 15c	"	360	40	400	14	"			worse	
12	"	01.2	" 15c	"	450		450	14	"			better	
16	"	01.9	" 15c	"	380		380	14	"	inc. 1c mi.	yes*	worse	
16	"	01.9	"	"	286		286	14	"	neither	no	same	same
10	day	1 90		"	395		395	14	"		\$150		
10	"	2 00		"	416		416	14	decrease	neither	no	worse	worse
15	trip	2 12	hr. 15c	"	480	16	496	14	neither	increase	50	better	better
12	mile	01.9	" 17c	"	350		350	14	"	neither	100		
	day	1 90		"	595		595		"		350	same	
	"	1 90		"	221		221		"		yes*		
	mo.	50 00		"	600		600		"	neither	no		
	"	50 00		"	300		300		"		100	worse	
12	"	40 00		"	480		480		"	neither	no		
	"	50 00		"	600		600		"				
16	mile	01.9		"	495		495		"			same	worse
16	"	01.9		"	270		270		"		no		
	"	01.9		"	500		500		"	neither		same	
14	"	01.9		"	624		624		"	dec. 1c mi.	250	better	same
16	"	01.9		"	315		315		"	neither	no		better
10	"	01.9		wk'ly	540		540	14	inc. \$30 mo.		150	same	
13	"	01.9		mo.	495		495		neither	decrease	yes*		
16	mo.	45 00		"	540		540		"		no	worse	worse
16	"	50 00		"	600		600		"		no	same	same
14	day	1 60		"	458		458		"	neither			
12	mo.	45 00		"	540		540		"		100		
20	mile	01.9		"	409		409	14	"		no	worse	
14	"	01.9		"	420		420		"		25	same	
14	"	01.9		"	545		545		"		50		same
14	"	01.9		"	405		405		"		no		
12	mo.	50 00		"	600		600		"			same	
14	"	40 00		"	480		480		"		240	worse	worse
12	"	75 00		"	900		900		"	inc. \$25 mo.	yes*	same	better
12	"	45 00		mo.	515		515		dec. \$5 mo.	inc. 5 "	no		same
14	"	40 00		"	480		480	24	neither				
12	"	27 50		"	350		350			dec. \$10 mo.	100		
10				"	31		31		"				
12	mo.	40 00		"	360		360		"	neither	100		same
15	"	50 00		"	600		600	24	inc. \$15 mo.	decrease	yes*		
10	"	75 00		"	900		900		" 15 "	neither	400	worse	better
12	"	75 00		"	870		870		"		400		worse
12	"	70 00		"	840		840		neither	dec. \$5 mo.	yes*		
8	"	75 00		"	840		840		"		no	same	
8	"	85 00		"	1,020		1,020		"	neither	no		same
8	"	65 00		"	575		575		"		100	worse	worse
8	"	75 00		"	900		900		"		no	same	same
8	"	90 00		"	1,060		1,060		inc. \$3 mo.	inc. \$15 mo.	300	worse	worse
12	"	30 00		"	360		360	12	neither		200		
12	"	45 00		"	270		270		"		150	worse	worse
12	"	40 00		"	480		480		"		75		
12	"	45 00		"	405		405		"		150		
13	"	50 00		"	550		550		inc. \$5 mo.		150		
9	"	60 00		"	720		720		" 10 "	inc. \$10 mo.	no	worse	better
10	"	50 00		"	600		600		neither		no	same	same
10	"	55 00		"	660		660		"		no		worse
12	"	50 00		"	600		600		"			same	
10	"	50 00		"	600		600	10	"	inc. \$5 mo.			same
9 1/2	day	3 00		"	989		989	10	"	" 15 "	400		
10	mo.	40 00		"	480		480		"	increase	no		
10	day	2 40	hr. 24c	"	732		982		"	neither		worse	worse
10	"	1 25		"	368		368		"			same	same
10	"	90	yes*	"	262		262	10	"		no		
10	"	90		"	262		262	10	"		50		
12	"	1 50		"	390		390		"		no	worse	
12	"	1 50		"	312		312		"	neither		same	

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.	Days.	
4299	Owosso	Fireman	T.A.A. & N.M.	Am.	30	s					9	3		Sickness
4300	"	"	"	Can.	36	m	2		10	10	9	3		Injury
4301	"	Boiler mak'r	"	Am.	21	s					12			
4302	Frankfort	Blacksmith	"	Can.	43	m	2	3	10	10	11	1		Sick & l. of w.
4303	Owosso	Yardmaster	"	Am.	33	"		4	13	13	12			
4304	"	"	"	"	41	"					12			
4305	Cadillac	Switchman	"	"	28	"		1	12	12	11	1		Sickness
4306	"	"	"	"	21	s			10	10	12			
4307	Owosso	"	"	"	38	m	2				8	4		Lay off—rest.
4308	Ann Arbor	"	"	"	27	s			12	12	12			
4309	"	"	"	"	24	"			12	12	12			
4310	Owosso	Cross tend'r	"	Irish	56	m	2	4			12			
4311	Ann Arbor	Flagman	"	"	47	"		6	11	11	12			
4312	"	Gateman	"	Am.	25	"			12	12	12			
4313	"	Car inspect.	"	"	36	"		4	10	10	12			
4314	Owosso	"	"	"	39	"			10	10	12			
4315	Cadillac	Hostler	"	"	41	"	2	2	13	13	10	2		Sickness
4316	Frankfort	"	"	"	24	s			11	11	11 1/2	23		
4317	"	"	"	"	35	m	2	2	11	11	12			
4318	Owosso	Wiper	"	"	58	"					12			
4319	Cadillac	Yardman	"	Ger.	42	"	2		10	10	4	8		Injury
4320	Owosso	Boiler wash.	"	Am.	31	"	2	2			12			
4321	"	"	"	"	39	"	2	3			12			
4322	Ann Arbor	Pumpman	"	"	41	w	1	2	16	15	12			
4323	"	"	"	"	41	m	3		15	15	12			
4324	"	Trackman	"	Ger.	48	"	2	4	10	10	8	4		
4325	"	"	"	"	52	"	2	2	10	10	1	11		Other business
4326	"	"	"	"	20	s			10	10	8	4		"
4327	"	"	"	"	26	"			10	10	8	4		"
4328	"	"	"	"	24	"			10	10	8	4		"
4329	"	"	"	Am.	21	"			10	10	1	11		Other business
4330	"	"	"	Ger.	32	m	2	2	10	10	1	11		"
4331	"	"	"	"	46	"	2		10	10	5			
4332	Northfield	"	"	Am.	25	s			10	10	4			Other business
4333	Clare	Sectionman	"	"	28	m	2		10	10	12			
4334	Cadillac	"	"	Ger.	39	"	2	2	10	10	12			
4335	St. Louis	"	"	Am.	23	s			10	10	12			
4336	McBains	"	"	"	40	m	2	3	10	10	12			
4337	Park Lake	"	"	"	40	"	2	2	10	10	12			
4338	Ann Arbor	"	"	"	27	s			8	10	12			
4339	"	"	"	Irish	46	m	2	5	10	10	12			
4340	"	"	"	Am.	27	s			10	10	12			
4341	St. Louis	Sectionman	"	"	27	m	2		10	10	8	4		Lack of work
4342	Owosso	"	"	"	33	"	2	4			12			
4343	"	"	"	"	33	"	2	3			12			
4344	Ann Arbor	"	"	Scotch	30	"	2	2	10	10	12			
4345	"	"	"	Eng.	20	s			10	10	5			Other business
4346	"	"	"	Ger.	18	"			10	10	12			
4347	"	"	"	Can.	39	m	2	1	10	10	9	3		Other business
4348	"	"	"	Am.	45	"	2	3	10	10	2 1/2			"
4349	"	"	"	Ger.	46	"	2		10	10	12			
4350	"	"	"	"	25	"	2	1	10	10	12			
4351	"	"	"	"	35	s			10	10	12			
4352	McBains	"	"	Am.	33	m	2	2	10	10	10	2		Lack of work
4353	St. Louis	"	"	"	47	"	2	3	10	10	12			
4354	Owosso	Fr't handler	"	Can.	35	s					4	8		
4355	"	"	"	Am.	18	"					12			
4356	Ann Arbor	Baggage man	"	"	17	"			14	14	12			
4357	"	Carpenter	"	"	27	"			10	10	11	1		Lack of work
4358	"	"	"	"	35	m	2	3	10	10	12			
4359	"	"	"	Can.	36	"	2	4	10	10	12			
4360	"	"	"	Ger.	37	"	2	2	10	10	12			
4361	"	"	"	Can.	35	"	2	2	10	10	12			
4362	Milan	"	"	"	24	s			10	10	12			
4363	Cheesaning	"	"	"	30	"			10	10	12			
4364	Azalia	"	"	Am.	30	"			10	10	12			
4365	Howell	"	"	"	45	m	2	2	10	10	12			

Railway Employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per				Regular time.	Overtime.	Total.						
16	day	\$1 50		mo.	\$351		\$351		neither	neither	no	same	same
16	"	1 50		"	351		351	10	"	"	"	better	better
16	"	2 40		"	751		751	10	"	"	"	worse	worse
16	"	2 00		"	572		572		"	"	"	"	"
12	"	2 25		"	704		704		"	"	"	"	"
12	mo.	70 00		"	840		840		"	"	"	"	"
12	day	2 25		"	785		785		"	"	"	same	"
10	"	1 75		"	548		548		"	neither	"	"	same
12	"	1 75		"	864		864		"	"	no	worse	"
12	mo.	60 00		"	720		720		"	dec. \$10 mo.	\$200	same	"
12	"	50 00		"	600		600		"	neither	800	"	"
10	day	1 36		"	428		428		"	inc. \$5 mo.	no	worse	same
11	mo.	35 00		"	420		420		"	neither	"	"	"
12	"	30 00		"	380		380		inc. \$5 mo.	increase	"	same	"
10	"	45 00		"	540		540		"	"	100	"	same
12	"	45 00		"	540		540		neither	neither	"	"	"
10	"	40 00		"	400		400		"	"	no	"	"
11	"	45 00		"	508		508		"	"	yes*	worse	worse
11	"	45 00		"	540		540		"	"	no	"	"
10	day	1 10		"	344		344		"	decrease	50	"	"
10	"	1 25		"	130		130		"	neither	no	"	"
10	"	1 40	yes*	"	438		438	10	"	"	"	"	"
10	"	2 00	hr. 30c	"	628		628	10	"	"	"	"	"
15½	mo.	35 00		"	420		420		"	"	no	"	"
15	"	45 00		"	540		540		"	"	"	"	"
10	day	1 35		"	281		281		"	"	"	worse	"
10	"	1 35		"	85		85		"	"	"	"	"
10	"	1 25		mo.	281		281		"	"	50	"	"
10	"	1 25		"	281		281		"	"	40	"	"
10	"	1 25		"	281		281		"	"	40	"	"
10	"	1 35		"	35		35		"	"	no	"	"
10	"	1 35		"	35		35		"	"	"	"	"
10	"	1 25		"	176		176		"	"	"	"	"
10	"	1 25		"	140		140		"	"	125	"	"
10	mo.	40 00		"	480		480		neither	neither	no	same	same
10	"	40 00		"	480		480		"	"	"	"	same
10	"	40 00		"	480		480	24	"	"	"	"	worse
10	"	40 00		"	480		480		"	neither	no	worse	"
10	"	40 00		"	480		480		"	"	"	"	"
9	"	40 00		"	480		480		"	"	"	"	"
10	"	45 00		mo.	540		540		"	"	no	same	same
10	"	40 00		"	480		480		"	"	120	"	"
10	day	1 12½	yes*	"	231		231	10	"	dec. 12½ cda	no	worse	worse
10	"	1 10		"	344		344		"	decrease	"	"	"
10	"	1 10		"	344		344		"	"	"	"	"
10	"	1 12½		"	352	\$48	393	10	"	"	"	"	"
10	"	1 12½		"	146	35	181	10	"	neither	"	"	"
10	"	1 12½		"	352	43	395	10	"	"	200	"	"
10	"	1 12½		"	268	35	298	10	"	"	no	same	same
10	"	1 12½		"	73	15	88	10	"	"	"	"	"
10	"	1 12½		"	352	43	395	10	"	"	50	"	"
10	"	1 12½		"	352	43	395	10	"	"	no	"	"
10	"	1 12½		"	298		298	10	"	"	"	"	"
10	"	1 12½		"	352		352	10	"	"	no	worse	worse
10	mo.	35 00		"	140		140		"	"	"	same	same
10	"	30 00		"	360		360		"	"	"	"	"
14	"	10 00		"	120		120		"	"	"	"	"
10	day	1 75		"	500		500		"	"	100	"	"
10	"	2 00	hr. 20c	"	628		628	10	inc. 25c day	neither	150	same	same
10	"	1 75		"	548		548	10	neither	"	no	"	"
10	"	1 50		"	470		470		"	"	yes*	same	same
10	"	1 75		"	548		548		neither	"	350	"	"
10	"	1 75		"	548		548		"	"	100	"	"
10	"	1 75		"	548		548		"	"	200	same	same
10	"	1 75		"	548		548		"	"	100	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
4390	Millan	Carpenter	T.A.A.&N.W.	Am.	23	s			10	10	2		10		Other business
4391	Owosso	Store keeper	"	Can.	26	m	2	1			12				
4393	Grand Rapids	Purch. ag't	D., L. & N.	Am.	30	"	2	2	8	8	12				
4394	Ionla	Conductor	"	Eng.	28	"	2	3	10	10	12				
4394a	"	"	"	Am.	28	"	2		12	12	10		2		Lack of work
4395	"	"	"	"	34	"			10		12				
4396	Grand Rapids	"	"	"	36	"	2	1			11		1		Lack of work
4397	"	Engineer	"	"	45	"	2	4½	4½		12				
4398	Ionla	"	"	"	40	"	2	7	12	12	12				
4399	"	"	"	"	29	"		12	12	12	12				
4410	Grand Lodge	"	"	"	35	m	2		7	6	12				
4411	Grand Rapids	"	"	"	45	"	2	3			12		18		Sickness
4412	Detroit	"	"	"	50	"	2				11		1		
4413	Grand Rapids	"	"	"	30	"	2	1	10	11	10		2		Sickness
4414	"	"	"	"	45	"	2	2	11	11	12				
4415	"	"	"	"	30	"	2	1	10	11	12				
4416	Ionla	"	"	"	37	"	2	2	10	10	12				
4417	Grand Rapids	"	"	Can.	42	"	2	1	10	10	11		1		
4418	Detroit	"	"	"	28	s		12	12	12	12				
4419	Ionla	"	"	Am.	35	m	2	1	12	12	12				
4420	Grand Rapids	"	"	"	31	"	2	2	10	10	12				
4481	Ionla	Fireman	"	"	22	s		12	12	12	12				
4432	"	"	"	"	28	"		12	12	13	12				
4433	"	"	"	"	40	m	2	1			10		2		Pleasure
4434	Grand Rapids	"	"	"	24	"		10	10	10	12				
4435	"	"	"	"	27	m	2	2	10	10	12				
4436	"	"	"	"	22	"		12	12	10	12		1	20	
4437	"	"	"	"	24	m	2	12	12	12	12				
4438	"	"	"	"	44	"	2	1	9	9	13				
4439	Saginaw	"	"	"	23	s		12	12	12	12				
4440	"	"	"	Eng.	27	m	2	2	12	12	12				
4441	Grand Rapids	"	"	Am.	33	"	2	1			12				
4442	Grand Lodge	"	"	"	31	s		7	6	10	12		2		Sickness
4443	Grand Rapids	"	"	"	25	m	2				12				
4444	"	"	"	"	23	m	2	1			11		1		Sickness
4445	"	"	"	"	27	m	2	10	10	10½	12½				
4446	Ionla	"	"	"	31	m	2	12	12	12	12				
4447	Detroit	"	"	Irish	31	m	2	10	10	10	10				
4448	Ionla	Brakeman	"	Am.	32	m	2	3	12	12	12		2		Sickness
4449	"	"	"	"	27	"	2	12	12	12	11		1		Sickness
4450	"	"	"	"	47	"	2	1	6	6	13				
4451	Howard City	"	"	"	25	s		9	9	9	12				
4452	Grand Rapids	"	"	"	22	"		12	12	12	12				
4453	Saginaw	"	"	Am.	25	"		12	12	12	12				
4454	"	"	"	"	27	"		12	12	12	12				
4455	Ionla	"	"	"	33	m	2	1	12	12	12				
4456	Grand Rapids	"	"	"	30	"	2	12	12	6			6		Sick. & l. of w.
4457	Ionla	"	"	"	30	s		12	12	12	12				
4458	"	"	"	"	25	"		12	12	11			1		Sickness
4459	"	"	"	"	25	m	2	12	12	12	12				
4460	Detroit	"	"	"	22	"		13	12	12	12				
4461	Ionla	"	"	"	28	m	2	12	12	12	12				
4462	"	"	"	"	24	"	2	12	12	12	11		1		Sickness
4463	"	"	"	"	32	"		12	12	12	12				
4464	Detroit	Baggage man	"	"	30	m	2	1	6	6	12				
4465	Lansing	"	"	"	33	"	2	4	12	12	12				
4466	"	"	"	"	21	s		12	12	12	12				
4467	Detroit	"	"	"	24	"		16	10	10	12				
4468	Ithaca	Agent	"	"	33	m	2	2	14	12	12				
4469	Greenville	"	"	"	36	"	2	2			13				
4470	Lyons	"	"	"	27	"		12	12	12	12		10		Sickness
4471	Brighton	"	"	Eng.	38	"	3		14	14	12		3		Vacation
4472	Chippewa	"	"	Am.	25	"	2		18	13	12				
4473	Salem	"	"	"	23	s	3		12	12	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 75		mo.	\$91		\$91						
10	day	1 50	yes*		470		470	10	neither	decrease	no	same	same
8	mo.	150 00			1,800		1,800		inc. \$25 mo.	inc. \$25 mo.	\$500	worse	worse
10	day	2 50	mi. 1½c		782		782		neither	dec. 25c day	200	worse	
12	mo.	70 00			700		700		dec. 10%		no	worse	
	day	70 00			840		840		neither	neither	yes*		
12	day	83 33			917		917				200		worse
4½	day	90 00			1,080		1,080				200	same	same
12	day	3 50	hr. 35c		1,095		1,095	12			400		
12	mi.	3 50	35c		1,095	\$200	1,295	12			500		same
6½	mi.	03			1,200		1,200				400	worse	worse
13	day	03½	hr. 35c		1,150	85	1,185	12			200	same	
10½	day	2 50	hr. 25c		1,150		1,150	15	decrease	decrease		better	
11	day	2 50	hr. 25c		653	10	663	11	neither	inc. 50c day	no		better
11	day	2 50	hr. 25c		783	20	803	11		50c	no	same	worse
11	mo.	130 00	yes*		783		783	11		50c	no		
12	day	140 00			1,560		1,560	12			yes*		
12	day	75 00			1,540		1,540	12		inc. 3%	650		better
12	day	115 00			900		900	12		dec. 50c day	no		worse
10	day	70 00	hr. 30c		1,380		1,380	12	inc. ¼c mi.	inc. ¼c mi.	600		better
12	day	1 75			840	47	887	10	neither	neither	no		
12	day	1 75	hr. 17c		548		548	12			200		
10	mi.	01½	17½c		548		548	12			yes*		
10	day	1 75			500		500				800	worse	worse
10	mi.	01½	yes*		548		548				no	better	same
12	mi.	01½			750	65	815	12			no	same	
12	mo.	50 00			650	25	675	14			no	worse	worse
9	mo.	01½			600		600	12½	inc. 15%	neither	200	same	same
12	day	01½	yes*		750		750		neither		200	worse	worse
5	mi.	01½			587		587	12	inc. 12½c day	increase	no	same	same
6½	mi.	01½			780		780		neither		yes*	worse	same
13	day	01½	hr. 17½c		500		500			neither	50	same	
13	day	01½	17½c		540	60	600	11			no	worse	
13	day	01½	17c		576		576	15			50	same	
10	mo.	01½	yes*		500	45	545	11			no		
12	mo.	70 00			718		718	12			75		
12	day	80 00			720		720	12			200	worse	worse
10	day	45 00			450		450			neither	100		
12	day	50 00			600		600				no		
12	day	45 00			495		495				no		
6	day	45 00			540		540			inc. \$5 mo	50	better	better
12	day	45 00			540		540	10½		neither	140	worse	worse
12	day	55 00			660		660				no	same	same
12	day	55 00			660		660				no		
12	day	50 00			600		600				200		
12	day	50 00			600		600				100	better	better
12	day	50 00			300		300		dec. 10%	dec. \$5 mo.	no	worse	worse
12	day	45 00			540		540		neither		150	better	better
12	day	50 00			600		600			neither	no		
12	day	50 00			600		600				150	better	
12	day	45 00			540		540		inc. \$5 mo.	increase	no	same	
12	day	55 00			660		660		5	neither	50		same
12	day	50 00			600		600		neither		no		
6	day	50 00			550		550				no		
12	day	45 00			600		600		inc. 5%	inc. 5%	100	better	worse
12	day	45 00			540		540		neither	neither	100	same	same
10	day	60 00			720		720		inc. \$5 mo	inc. \$5 mo	200	better	better
14	day	50 00			600		600		neither	neither	no	worse	
10	day	75 00			900		900				no		
12	day	31 00			360		360			dec. \$5 mo.	no	worse	worse
14	day	50 10			600		600			neither	400	same	same
13	day	30 00			360		360			dec. \$10 mo.	50		
13	day	26 00			312		312			10	no	same	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.	Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.		
4474	Breckenridge	Agent	D. L. & N.	Eng.	35	m	2		12	12	12			
4475	Edmore	"	"	Am.	35	"			12	15	12			
4476	Rodney	"	"	"	26	"			12	12	12	10	Vacation	
4477	Howell	"	"	"	24	"		1	14	14	12			
4478	Sheridan	"	"	"	27	"		1	14	10	12			
4479	Muliken	"	"	Can.	28	"			15	15	12			
4480	Alma	"	"	Am.	34	"		2	13	13	12			
4481	Gowen	"	"	"	38	"		1	12	12	12	10	Visiting	
4482	Orleans	"	"	"	33	"			12	12	12			
4483	Detroit	"	"	"	49	"		1	11	11	12			
4484	Lansing	"	"	"	36	"		1	10	10	12			
4485	Detroit	Operator	"	Can.	23	s			10	10	12			
4486	"	"	"	Eng.	24	"			12	12	12			
4487	Trufant	"	"	Am.	34	m	2	2	12	12	12			
4488	Howell	"	"	"	32	s			14	14	12	20	Visiting	
4489	Lansing	"	"	"	29	m	2	1	13	13	12			
4490	Grand Rapids	"	"	"	26	"	2	1	8	8	12			
4491	"	Chief clerk	"	"	53	"	2	1	8	8	12			
4492	Lansing	Cashier	"	"	32	"	3	3	10	10	12			
4493	Grand Rapids	Chief clerk	"	"	32	"	2		8	8	12			
4494	Greenville	Cashier	"	"	19	s			15	10	12			
4495	Grand Rapids	Clerk	"	"	24	m	2		8	8	12			
4496	"	"	"	"	26	"	2		8	8	12			
4497	"	"	"	"	32	"	2		8	8	12			
4498	"	"	"	"	18	s					12			
4499	"	"	"	"	18	"					12			
4500	"	"	"	"	18	"					12			
4501	"	"	"	"	27	m	2				12			
4502	"	"	"	"	24	s					12			
4503	"	"	"	"	21	"					12			
4504	"	"	"	"	24	m	2	1	8	8	12			
4505	"	"	"	"	35	"	2				12			
4506	"	"	"	Ger.	37	"	2				12			
4507	"	"	"	Am.	27	s					12			
4508	"	"	"	Can.	31	m	2	1	8	8	12			
4509	"	"	"	Am.	26	s					12			
4510	"	"	"	"	17	"			8	8	5	7	Att'nd'g school	
4511	"	"	"	Can.	26	"			9	9	12			
4512	"	"	"	Am.	22	"			9	9	12			
4513	"	"	"	"	26	"			8	8	12			
4514	"	"	"	"	22	"			8	8	12			
4515	"	"	"	Can.	19	"			8	8	12			
4516	"	"	"	Am.	26	"			9	9	12			
4517	"	Stenog'pher	"	"	22	"			9	9	12			
4518	"	"	"	"	20	"			10	10	9			
4519	Lansing	"	"	"	23	m	2	1	15	15	12			
4520	Edmore	Baggageman	"	"	23	"	3		14	14	12			
4521	Brighton	"	"	"	57	"			10	10	12			
4522	Greenville	"	"	"	30	"	3	3	15	10	12			
4523	Ionia	Shop f'man	"	Irish	39	"	2	4	10	10	12			
4524	"	Carpenter	"	Ger.	40	"	2	10	10	10	12			
4525	"	"	"	Am.	65	"	2		9	9	12			
4526	"	"	"	"	51	"	2	10	10	6	6		Sickness	
4527	"	"	"	"	37	"	1	10	10	12				
4528	"	Painter	"	Am.	28	"	2		10	12				
4529	"	"	"	"	23	s			10	12				
4530	"	"	"	"	30	m	2		10	10	8	4	Laid off	
4531	"	Car repairer	"	Ger.	42	"	2		9	9	12			
4532	Detroit	"	"	Irish	29	"			10	10	12			
4533	Grand Rapids	"	"	Ger.	35	"	4	10	10	10	12			
4534	Ionia	"	"	"	30	"	2	10	10	11	1		Sickness	
4535	"	"	"	Am.	45	"	3	9	9	9	12			
4536	"	"	"	Ger.	33	"	4	9	9	9	12			
4537	"	Machinist	"	"	52	"	5	9	9	9	12			
4538	"	"	"	Am.	20	s			9	9	12			
4539	"	"	"	"	24	"			9	9	12			
4540	"	"	"	"	45	m	2	3	9	9	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
12	mo.	\$38 00	---	mo.	\$456	---	\$456	---	dec. \$2 mo.	dec. \$12 mo.	\$175	same	worse
15	"	55 00	---	"	660	---	660	---	neither	40	100	"	"
12	"	45 00	---	"	524	---	524	---	neither	neither	100	"	same
14	"	65 00	---	"	780	---	780	---	inc. \$10 mo.	dec. \$7 mo.	200	better	better
13	"	47 00	---	"	564	---	564	---	neither	neither	50	same	worse
15	"	30 00	---	"	480	---	480	---	"	dec. \$5 mo.	200	same	same
13	"	50 00	---	"	600	---	600	---	"	dec. \$2.50 mo.	200	worse	worse
12	"	32 00	---	"	372	---	372	---	neither	dec. \$5 mo.	no	same	---
12	"	32 00	---	"	384	---	384	---	"	neither	yes*	"	same
11	"	200 00	---	"	2,400	---	2,400	---	"	inc. \$500 yr.	700	"	"
10	"	127 00	---	"	1,400	---	1,400	---	"	\$15 mo.	yes*	better	---
10	"	45 00	---	"	540	---	540	---	"	"	no	worse	better
12	"	50 00	---	"	600	---	600	---	neither	dec. \$7 mo.	150	same	"
12	"	35 00	---	"	420	---	420	---	"	decrease	200	"	"
14	"	40 00	---	"	450	---	450	---	"	neither	50	worse	worse
13	"	55 00	---	"	660	---	660	---	"	"	same	same	same
8	"	60 00	---	"	720	---	720	---	inc. \$15 mo.	inc. \$10 mo.	no	"	"
8	"	75 00	---	"	900	---	900	---	5	"	300	"	"
10	"	70 00	---	"	840	---	840	---	neither	neither	40	"	better
12	"	100 00	---	"	1,200	---	1,200	---	"	"	100	same	same
12	"	50 00	---	"	600	---	600	---	"	"	100	worse	worse
12	"	50 00	---	"	600	---	600	---	inc. \$5 mo.	"	100	"	"
12	"	50 00	---	"	600	---	600	---	10	"	80	better	better
12	"	65 00	---	"	780	---	780	---	20	"	50	"	"
12	"	30 00	---	"	360	---	360	---	15	"	60	worse	worse
12	"	35 00	---	"	370	---	370	---	10	"	300	same	same
12	"	30 00	---	"	360	---	360	---	neither	"	200	same	same
12	"	50 00	---	"	600	---	600	---	inc. \$5 mo.	"	120	worse	worse
12	"	40 00	---	"	480	---	480	---	neither	"	400	"	"
8	"	45 00	---	"	540	---	540	---	"	"	200	same	same
8	"	75 00	---	"	900	---	900	---	"	"	no	worse	worse
8	"	60 00	---	"	720	---	720	---	"	"	"	"	"
8	"	50 00	---	"	600	---	600	---	"	"	100	same	same
8	"	55 00	---	"	660	---	660	---	"	"	no	better	same
8	"	68 00	---	"	792	---	792	---	"	"	200	"	"
8	"	75 00	---	"	900	---	900	---	"	"	100	same	same
8	"	20 00	---	"	100	---	100	---	"	"	no	better	better
8	"	50 00	---	"	600	---	600	---	inc. \$5 mo.	"	225	same	same
8	"	50 00	---	"	600	---	600	---	neither	"	200	"	"
8	"	50 00	---	"	600	---	600	---	inc. \$5 mo.	"	50	worse	worse
8	"	45 00	---	"	540	---	540	---	neither	"	100	"	"
8	"	40 00	---	"	480	---	480	---	"	"	no	same	same
8	"	45 00	---	"	540	---	540	---	"	"	150	worse	worse
8	"	50 00	---	"	600	---	600	---	"	"	100	same	same
10	"	40 00	---	"	360	---	360	---	inc. \$5 mo.	inc. \$5 mo.	100	same	same
15	"	35 00	---	"	420	---	420	10	neither	"	50	"	"
14	"	80 00	---	"	360	---	360	15	inc. \$5 mo.	dec. \$5 mo.	no	worse	worse
12	"	40 00	---	"	480	---	480	14	neither	neither	no	same	better
10	"	90 00	---	"	1,080	---	1,080	---	"	"	500	"	"
10	day	1 75	---	"	575	---	575	---	"	"	100	"	"
10	"	1 75	---	"	548	---	548	---	"	neither	150	"	"
10	"	2 25	---	"	351	---	351	---	"	"	no	"	"
10	"	1 75	---	"	548	---	548	---	inc. 20c day	"	no	same	"
10	"	2 00	---	"	626	---	626	---	neither	"	150	worse	"
10	"	1 25	---	"	391	---	391	---	"	"	yes*	same	"
10	"	1 75	---	"	358	---	358	---	"	"	"	"	"
10	"	1 45	hr. 14c	"	554	\$20	574	---	"	"	50	"	"
10	"	1 45	yes*	"	559	50	609	---	"	"	no	same	same
10	"	1 40	---	"	438	---	438	10	"	"	"	"	"
10	"	1 40	hr. 14c	"	438	20	458	---	"	"	75	better	"
9	"	1 40	14c	"	438	50	488	---	"	"	100	"	"
9	"	1 40	---	"	438	25	463	---	"	"	50	"	"
9	"	1 60	---	"	501	50	551	---	"	"	150	better	"
9	"	2 50	---	"	782	50	832	---	"	"	150	"	"
9	"	2 50	hr. 25c	"	782	50	832	---	"	"	100	"	"
9	"	2 25	25c	"	704	---	704	---	"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
4621	Ionla.....	Machinist..	D. L. & N.	Am....	45	m	2	3	9	9	12			
4622	"	"	"	"	24	s		10	10	12				
4623	Detroit.....	"	"	"	19	s		11½	11½	12				
4624	Ionla.....	"	"	"	48	m	2	1	9	9	12			
4628	"	Helper	"	Irish	60	"	2	5	9	9	11	1	3	Sickness
4629	Grand Rapids	Sta. fireman	"	Am....	31	"	2	11	11	12				
4630	"	"	"	"	25	s		11	11	11		1		Sickness
4641	Ionla.....	Boiler mak'r	"	Am....	26	"		9	9	12				
4642	"	"	"	"	24	"		9	9	12				
4643	"	"	"	"	21	"		9	9	12				
4644	"	Helper	"	"	23	"		9	9	12				
4645	"	"	"	"	22	"		9	9	12				
4648	"	"	"	Pole	40	m	2	2	9	9	12			
4650	"	Blacksmith	"	Am....	40	"		3	9	9	12			
4651	"	"	"	"	50	"		1	10	10	12			
4652	"	"	"	"	50	"		3	9	9	12			
4653	"	"	"	Irish	60	"		2	9	9	10½	1½		Sickness
4654	"	"	"	Am....	44	"		1	9	9	12			
4660	"	Plumber.....	"	"	28	"		3	10	10	12			
4661	"	Helper	"	Ger....	26	"	2	1	9	9	12			
4662	"	Molder	"	Am....	38	s		10	10	12				
4663	"	"	"	"	29	m	2	10		12				
4664	"	Helper	"	"	24	"	2	1	10	10	12			
4665	"	Wood-work'r	"	"	30	"	2	1	9	9	12			
4666	"	"	"	"	32	"	2	1	9	9	12			
4670	"	"	"	"	21	s		9	9	12				
4671	"	"	"	"	41	m	2	1	9	9	12			
4673	"	Latheman..	"	"	24	s		9	9	12				
4674	"	Driller	"	"	60	m	2	9	9	12				
4675	Grand Rapids	R. H. foreman	"	"	29	"	2	2	10	10	10			Sickness
4676	"	Yard master	"	"	38	"	2	2	10	10	12			
4677	"	Switchman	"	"	21	s		10	10	4	2			Lack of work
4678	"	"	"	"	25	m	2	4	10	2				
4679	"	"	"	"	21	s		10	10	12		3		Sickness
4680	"	"	"	"	26	m	2	1	10	11½		13		"
4681	"	"	"	"	26	"		10	10	12				
4682	"	"	"	Swede	37	"	2	1	10	10	12			
4683	Ionla.....	"	"	Am....	24	s		12		12				
4684	Detroit.....	"	"	Can....	42	m	2	5	10	10	12			
4685	Lansing	Flagman	"	Am....	50	"	2	1	13	13	12			
4686	Grand Rapids	"	"	Irish	60	"	3	1	13	13	5	7		
4687	Ionla.....	"	"	"	50	"	2	5	12	12	12			
4688	"	"	"	French	60	s		10	10	12				
4689	Grand Rapids	"	"	Irish	60	w		12	12	12				
4690	"	"	"	Am....	49	m	2	6	12	12	12			
4691	Ionla.....	"	"	Irish	40	"	3	10		12				
4692	"	"	"	"	40	"		3	10		12			
4693	"	"	"	Am....	58	"		5		12				
4694	"	"	"	"	50	"	2	1	9		12			
4695	Lansing	"	"	"	66	"	2	1	12	12	12			
4696	Grand Rapids	Interlocker	"	Can....	33	s		12	12	12	12			
4697	"	"	"	Am....	27	m	2	12	12	12	12			
4698	"	"	"	"	41	"	2	4	12	12	12			
4699	Edmore.....	Car inspect.	"	"	43	"	3	6	10	10	11	1		
4700	Saginaw	"	"	Ger....	35	"	2	1	15	15	12			
4701	Detroit	Wiper	"	"	26	"	2	11½	11½	12				
4702	Grand Rapids	"	"	Am....	22	s		10	10	12				
4703	"	"	"	"	38	m	2	11		12				
4704	Ionla.....	"	"	"	40	s		1	10		12			
4705	"	Hostler	"	"	41	m	2	10		12				
4706	Grand Rapids	Sealer	"	"	25	s		10	10	12				
4707	Greenville	Watchman	"	"	28	"		15	10	12				
4708	Ionla.....	"	"	"	23	"		10	10	12				
4709	"	"	"	Irish	68	m	2	12	12	12				
4710	"	"	"	"	62	"	2	12	12	12				
4711	"	Yardman	"	Am....	28	"	2	1	10	10	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per	Regular time.		Overtime.	Total.							
9	day	\$2 00		mo.	\$326	\$40	\$366		neither	neither	\$150		
10	"	2 50		"	776		776		"	"	400	same	
11½	mo.	24 00		"	408		408		"	"	60		better
9	day	2 50	hr. 25c	"	782	80	862		"	neither	100	better	
9	"	1 25		"	354	40	394		"	"	no		
11	"	1 25	hr 12½c	"	391	10	401	11	"	"		better	better
11	"	1 25	" 12½c	"	357	82	398	11	"	"		same	worse
9	"	2 40		"	751	45	796		"	"	225		
9	"	2 20		"	684	75	759		"	"	230		
9	"	2 00		"	628	50	676		"	neither	180		
9	"	1 40		"	438	40	478	10	"	"	100		
9	"	1 40		"	438	25	463	10	inc. 2c hr.	"	75		
9	"	1 25		"	391	10	401		neither	"	50		
9	"	2 00		"	628	60	686		"	"	100	better	better
10	mo.	90 00		"	1,080		1,080		"	"	800	"	"
9	day	2 50		"	782	25	807		"	"	50		
9	"	1 80		"	468	15	483		"	"	100	same	better
9	"	2 25		"	704	10	714		"	"	100		
10	"	2 00		"	626		626		"	"	100		
9	"	1 40		"	435	40	475		"	"	100	better	better
10	"	2 50		"	782	100	882		"	"	350		
10	"	1 25		"	456		456		"	"	100	same	
10	"	1 25		"	391	20	411		"	"	100		
9	"	1 40		"	438		438		"	"	no		
9	"	1 25		"	391		391		"	"	50	better	better
9	"	1 25		"	391	50	441		"	"	100	better	better
9	"	1 50		"	470	15	485		inc. 25c day	inc. 25c day	50		
9	"	1 50	hr. 15c	"	470	15	485		neither	neither	50		
9	"	1 40		"	438		438		"	"	50		
10	"	1 50	yes*	"	380	45	425	10½	inc. 25c day	"	no	same	worse
10	mo.	83 ¼		"	1,000		1,000		neither	"	100	"	same
10	day	2 10	hr. 21.2c	"	218	15	233	10	"	"	no	worse	worse
10	"	2 12	" 21.3c	"	110		110	10	"	"	no	better	
10	"	2 12	" 21c	"	657	55	712	10	"	"	no	worse	worse
10	"	2 12	" 21c	"	636	42	678	10	"	neither	100	"	"
10	"	2 10	yes*	"	657	50	707	10½	"	"	125	same	same
10	"	2 25		"	704		704	10½	"	"			
10	mo.	50 00		"	600		600		"	"	no		
10	"	60 00	yes*	"	720		720	10	"	"	100		
12	"	30 00		"	360		360		"	"	no	same	same
12	"	30 00		"	360		360		neither	"	no	worse	worse
12	day	1 00		"	313		313		"	"	50		
12	mo.	30 00		"	360		360		neither	"	no	better	
12	"	30 00		"	360		360		"	"	150	worse	worse
10	day	1 00		"	313		313		"	"	no		
10	"	1 00		"	313		313		"	"	50	same	
16	mo.	30 00		"	360		360		"	"	no		
9	day	1 00		"	313		313		neither	"	"		
12	mo.	30 00		"	360		360		"	"	"		same
12	"	35 00		"	420		420		"	"	"		
12	"	40 00		"	480		480		"	"	"		
12	"	50 00		"	600		600		"	"	"		
10	"	50 00		"	550		550		"	"	100	worse	worse
15	"	60 00		"	720		720		"	"	100	same	better
11½	"	34 00		"	408		408		neither	"	no	better	same
10	day	1 15	yes*	"	360	70	430	10½	"	neither	200	"	better
11	"	1 12		"	350		350		"	decrease	no		
10	"	1 25	hr. 12½c	"	391	40	431		"	neither	75		
10	mo.	60 00		"	720		720		"	"	100	same	same
10	day	1 50		"	470		470		"	increase	100		
12½	mo.	35 75		"	465		465		"	neither	50	same	better
10	day	1 00		"	313		313		"	"	no		
12	mo.	40 00		"	480		480		"	"	75		
12	"	40 00		"	480		480		"	"	75		
10	"	45 00		"	540		540		"	"	50		

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
4718	Grand Rapids	Trackman	D. L. & N.	Swede.	52	m	2		10	10	12			
4714	Detroit	"	"	Ger.	47	m	2	1	10	10	12			
4715	"	"	"	"	28	m	2	2	10	10	12			
4716	"	"	"	Am.	22	m	2	1	10	10	12			
4717	Lansing	Sec. forem'n	"	"	35	m	2	1	10	10	12			
4718	"	"	"	"	30	m	3		10	10	12			
4719	Detroit	Gang	"	"	27	s			14	14	12			
4720	Rodney	Sec.	"	"	34	m	2	2	10	10	12			
4721	Salem	"	"	Eng.	45	m	2		10	10	11	1		Sickness
4722	Lyons	"	"	Am.	31	m	2	1	10	10	12			
4723	Ionias	Sectionman	"	Ger.	50	m	3	2	10		12			
4724	Lansing	"	"	"	39	m	2	4	10	10	10	2		Lack of work
4725	"	"	"	"	46	m	2	2	10	10	12			
4726	"	"	"	Am.	34	m	2	3	10	10	10	2		Lack of work
4727	Rodney	"	"	"	29	s			12	12	12			
4728	Ionias	"	"	"					11	11	12			
4729	"	"	"	Ger.					10		12			
4730	"	"	"	Am.	30	m	3		10		12			
4731	"	"	"	Pole	22	s			10		12			
4732	"	"	"	Ger.	29	m	2		10		12			
4733	"	"	"	"	36	m	2		10		12			
4734	"	"	"	"	32	w	1	1	10		12			
4735	"	"	"	Pole	28	s			10	10	12			
4736	"	"	"	Ger.	29	m	2	1	10		12			
4737	Lansing	"	"	"	43	m	2	6	10	10	12			
4738	Ionias	Laborer	"	"	23	s			10	10	9	3		Lack of work
4739	"	Scrubber	"	Am.	43	m	2	1	9	9	12			
4740	Detroit	Frt. handler	"	Irish	22	s			10	10	11 1/4	3		
4741	Ionias	"	"	Am.	28	m			10	10	12			
4742	Detroit	"	"	Irish	21	m			10	10	12			
4743	"	"	"	Can.	36	m			10	10	12			
4744	"	"	"	"	18	m			10	10	12			
4745	"	"	"	Am.	26	m	2	2	10	10	12			
4746	"	"	"	"	23	s			10	10	12			
4747	"	"	"	"	20	m			10	10	11	1		Lack of work
4748	"	"	"	Irish	44	m	2	5	10	10	12			
4749	"	"	"	Am.	25	s			10	10	12			
4750	"	"	"	Ger.	20	m			10	10	12			
4751	"	"	"	Am.	19	m			10	10	9	3		Vacation
4752	"	"	"	Irish	21	m			10	10	10 1/2	11 1/2		Just began w'k
4753	"	"	"	Can.	20	m			10	10	12			
4754	"	"	"	Am.	19	m			10	10	12			
4755	"	"	"	Ger.	42	m	2	4	10	10	12			
4756	"	"	"	Irish	24	s			10	10	12			
4757	"	"	"	"	23	m			10	10	12			
4758	"	"	"	Am.	27	m	2	8	10	10	12			
4759	"	"	"	Irish	21	s			10	10	12			
4760	"	"	"	"	35	m	2		10	10	12			
4761	"	"	"	"	25	m	2	4	10	10	7	5		Lack of work
4762	"	"	"	Am.	40	s			10	10	12			
4763	"	"	"	"	20	m			10	10	11 1/2	1/2		Lack of work
4764	"	"	"	Can.	43	m	2	5	10	10	12			
4765	"	"	"	Irish	25	s			10	10	12			
4766	Ionias	Weighmast'r	"	Am.	40	m	2	2	10		12			
4767	Grand Rapids	Trucker	"	Can.	28	m	2		10	10	6	6		Other business
4768	"	"	"	"	19	s			10	10	12			
4769	"	"	"	Am.	34	m			10	10	12			
4770	"	"	"	"	22	m			10	10	12			
4771	"	"	"	"	40	m	2	1	10	10	12			
4772	"	"	"	"	47	m	2	3	10	10	12			
4773	"	"	"	"	25	s			10	10	12			
4774	"	"	"	Am.	38	m	2	1	10	10	12			
4775	"	"	"	"	21	s			10	10	12			
4776	"	"	"	Hol.	42	m			10	10	9	3		Sickness
4777	"	"	"	Am.	39	m	2	6	10	10	11	1		"
4778	"	"	"	Eng.	31	m	2		10	10	10	2		Injury

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	mo. \$50 00			mo.	\$800		\$800		neither	neither	no	same	same
10	" 32 00			"	344		344		"	"	"	"	"
10	" 32 00			"	344		344		"	"	"	"	"
10	" 32 00	yes*		"	344		344	10	"	"	\$210	worse	worse
10	" 40 00			"	480		480		"	"	150	same	same
10	" 40 00			"	480		480		"	"	150	worse	worse
14	" 45 00			"	540		540		"	"		same	better
10	" 40 00			"	480	\$100	580	10	"	"			
10	" 45 00			"	485		485		"	neither	300	better	better
10	" 40 00			"	480		480		"	"	no	same	same
10	day 1 10			"	344		344		"	"	no	same	same
10	" 1 10	hr. 11c		"	286	15	301	10	"	neither	"	worse	worse
10	" 1 10	" 11c		"	344	45	389	10	"	"	"	"	"
10	" 1 10	" 11c		"	286	20	306	10	"	"	"	"	"
12	" 1 15			"	360		360		"	"	100	same	same
11	" 1 12			"	350		350		"	"	yes*	"	"
10	" 1 10			"	344		344		"	"	no	same	"
10	" 1 10			"	344		344	15	"	neither	"	"	"
10	" 1 10			"	344		344		"	"	no	"	"
10	" 1 10			mo.	344		344		neither	"	"	"	"
10	" 1 10			"	344		344		"	"	yes*	"	"
10	" 1 12			"	313		313		"	"	no	"	"
10	" 1 10			"	350		350		"	"	yes*	"	"
10	" 1 10			"	344		344		"	neither	no	same	"
10	" 1 10	yes*		"	344		344	10	"	"	"	same	"
10	" 1 25			"	282		282	10	"	"	"	"	"
10	" 1 00	hr. 10c		"	313		313		"	"	no	"	"
10	mo. 31 00	yes*		"	346		346	10	"	"	"	"	"
10	day 1 37½			"	430		430		"	neither	75	"	"
10	mo. 31 00	yes*		"	372		372	10	"	"	no	worse	worse
10	" 31 00			"	372		372	10	"	"	no	same	better
10	" 35 00			"	420		420		inc. 15c day	"	120	same	"
10	" 35 00			"	420		420		neither	"	no	worse	worse
10	" 31 00			"	372		372	10	"	"	"	better	better
10	" 31 00			"	341		341	10	"	neither	"	worse	"
10	" 31 00			"	372	100	472	10	"	"	"	better	better
10	" 34 00			"	408		408		inc. 15c day	"	"	worse	"
10	" 31 00			"	372		372	10	neither	"	100	better	better
10	" 31 00			"	279	90	369	10	"	"	no	same	same
10	" 31 00			"	15		15	10	"	"	"	"	"
10	" 31 00			"	372		372	10	"	"	"	worse	same
10	" 31 00			"	372		372	10	"	neither	70	same	better
10	" 31 00			"	372		372	10	"	"	no	same	same
10	" 40 00			"	480		480	10	"	"	"	worse	"
10	" 31 00			"	372		372	10	"	"	"	same	worse
10	" 31 00			"	372		372	10	"	"	"	better	"
10	" 31 00			"	372		372	10	"	"	"	same	worse
10	" 31 00			"	372	35	407	10	"	"	"	same	same
10	" 31 00			"	217		217		"	"	"	same	worse
10	" 31 00	yes*		"	372	54	426	10	"	"	50	same	better
10	day 1 35			"	368		368	10	"	"	no	same	worse
10	mo. 31 00			"	372		372	10	"	"	"	same	same
10	" 31 00			"	372	90	462	10	"	"	"	same	same
10	" 50 00			"	600		600		"	"	yes*	"	"
10	day 1 25	yes*		"	195		195	10½	"	neither	60	"	"
10	" 1 25	"		"	391	25	416	10½	"	"	no	worse	worse
10	" 1 25			"	391		391		"	"	50	same	"
10	" 1 25			"	391		391		"	neither	no	worse	"
10	" 1 25			"	391		391		"	"	no	same	"
10	" 1 25			"	391		391		"	"	50	"	"
10	" 1 25			"	391		391		"	"	no	same	"
10	" 1 25			"	391		391		"	"	25	"	"
10	" 1 25			"	293		293		"	"	no	same	"
10	" 1 25			"	358		358		"	"	"	same	same
10	" 1 25			"	325		325		"	neither	"	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.				Hours per day.	Months worked.		Lost time.		Causes for lost time
							Adults.	Children.	Winter.	Summer.		Months.	Days.			
4779	Grand Rapids.	Trucker	D. L. & N.	Am.	34	m	2	1	10	10	10	10	2		Sickness	
4780	"	"	"	"	37	"	2	1	10	10	10	10				
4781	Detroit	"	"	Can.	46	s	2	1	10	10	10	10				
4782	Lansing	"	"	Am.	40	m	2	4	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10	10				
4783	onia	Laborer	"	"	54	s	2	1	10	10	10	10				
4784	"	"	"	"	48	m	2	1	10	10	10	10				
4785	"	"	"	Swede.	50	s	2	1	10	10	10	10				
4786	"	"	"	Am.	38	s	2	3	10	10	10	10				
4787	"	"	"	"	38	s	2	3	10	10	10	10				
4788	Detroit	"	"	Irish	21	s	2	1	10	10	10	10				
4789	onia	"	"	Ger.	22	s	2	1	10	10	10	10				
4790	Lansing	"	"	"	37	m	2	5	10	10	10	10				
4791	"	"	"	"	26	m	2	1	10	10	10	10				
4792	onia	"	"	Am.	44	s	2	4	9	9	12	12				
4793	"	"	"	"	42	s	2	4	9	9	12	12				
4794	"	"	"	Ger.	44	s	2	2	9	9	12	12				
4795	"	"	"	"	45	s	2	3	9	9	12	12				
4796	"	"	"	Pole	25	s	2	3	9	9	12	12				
4797	Lyons	"	"	Am.	23	m	2	1	10	10	10	10				
4798	"	"	"	"	28	s	2	1	10	10	10	10				
4799	"	"	"	"	24	m	2	1	10	10	10	11	1		Sickness	
4800	onia	"	"	Ger.	25	s	2	1	10	10	12	12				
4801	"	"	"	"	42	m	2	3	10	10	12	12				
4802	"	"	"	Am.	36	s	2	4	10	10	12	12				
4803	"	"	"	Ger.	42	s	2	3	10	10	12	12				
4804	"	"	"	"	39	s	2	2	10	10	12	12				
4805	"	"	"	Pole	30	s	2	3	9	9	12	12				
4806	"	"	"	Ger.	45	m	2	3	9	9	12	12				
4807	"	"	"	Am.	42	s	2	3	9	9	12	12				
4808	"	"	"	Ger.	25	m	2	1	10	10	12	12				
4809	"	"	"	Am.	29	s	2	1	10	10	12	12				
4810	Detroit	"	"	Ger.	48	s	2	4	10	10	12	12				
4811	"	"	"	"	38	s	2	4	10	10	12	12				
4812	"	"	"	"	28	s	2	1	10	10	12	12				
4813	"	"	"	"	54	m	2	2	10	10	12	12				
4814	onia	"	"	Am.	42	s	2	3	8	8	12	12				
4815	Grand Rapids.	Civil eng'r	"	"	22	s	2	8	8	8	12	12				
4816	"	Draughtsman	"	"	32	m	2	2	8	8	10	2			Lack of work	
4817	"	"	"	"	60	s	2	8	8	8	12					
4828	Jackson	Conductor	L. S. & M. S.	"	54	m	3	2	12	12	12	12				
4829	"	"	"	"	19	s	2	1	12	12	12	12				
4830	Ypsilanti	"	"	"	52	s	2	9	9	9	12	12				
4831	Hilledale	"	"	"	46	m	2	4	12	12	9	3			Sickness	
4832	Grand Rapids.	"	"	"	36	s	2	2	12	12	12	12				
4833	"	"	"	"	29	m	2	2	12	12	12	12				
4834	White Pigeon	"	"	"	41	s	2	2	12	12	12	12	6		Lay off.	
4835	Dearborn	"	"	"	28	s	2	12	12	12	12	12				
4836	Ypsilanti	"	"	"	36	s	2	10	10	10	12	10			Sickness	
4837	Adrian	"	"	"	41	s	2	3	12	12	12	12				
4838	Jackson	"	"	"	39	s	2	1	12	12	12	12				
4839	"	"	"	"	44	s	2	13	12	12	12	12				
4840	"	"	"	"	38	s	2	4	12	12	12	12				
4841	Kalamazoo	Engineer	"	"	40	s	2	2	11	11	12	12				
4842	Jackson	"	"	"	46	s	2	6	12	12	12	12				
4843	"	"	"	"	32	s	2	1	12	12	12	12				
4844	"	"	"	"	32	s	2	1	12	12	12	12	10		Sickness	
4845	"	"	"	"	43	s	2	1	12	12	12	10				
4846	Adrian	"	"	"	34	s	2	2	12	12	12	12				
4847	Monroe	"	"	"	36	s	2	3	12	12	12	12				
4848	Ypsilanti	"	"	"	47	s	2	1	9	9	12	12				
4849	"	"	"	"	42	s	2	13	13	13	11	1			Other business	
4850	Grand Rapids	"	"	"	42	m	2	2	12	12	12	12				
4851	White Pigeon	"	"	"	42	s	2	2	12	12	12	12				
4852	Detroit	"	"	Can.	47	s	2	12	12	12	12	12				
4853	Jackson	"	"	Am.	42	m	2	2	10	10	12	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than five years ago.	Are times better or worse than one year ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	11 25		mo.	\$325		\$325		neither	neither	\$50	same	same
10	"	1 25		"	391		391		"	"	no	"	same
10	mo.	31 00	yes*	"	372	\$100	472	10	"	"	"	"	same
10 1/2	day	1 15		"	360	20	380	10	"	"	"	"	"
10	"	1 50		"	460		460		"	neither	yes*		
10	"	1 00		"	273		273		"	dec. 10c day	no		worse
10	"	1 00		"	313		313		"	neither	"	same	
10	"	1 00		"	313	4	317		"	"	"		
10	"	1 00		"	313		313		"	"	"		
10	mo.	30 00		"	390		390		"	"	"	better	
8	day	1 00		"	313		313		"	neither	"	same	same
10	"	1 10	yes*	"	344		344	10	"	"	"	"	"
10	"	1 10		"	344		344	10	"	"	60	"	"
9	"	1 12	hr. 12c	"	350	25	375	9	"	"	no		
9	"	1 12		"	350	10	360		"	dec. 12c day	50	better	
9	"	1 12		"	350	10	360		"	neither	50		
9	"	1 12		"	350		350		"	"	50		
10	"	1 10		"	344	20	364	15	"	neither	100	worse	worse
10	"	1 10	hr. 11c	"	344		344	15	"	"	no	same	same
10	"	1 10		"	314		314	15	"	"	"	"	
10	"	1 15		"	360		360		"	"	"		
10	"	1 15		"	360		360		"	neither	"	same	
10	"	1 15		"	360		360		"	"	"		
10	"	1 12		mo.	351		351		"	"	"		
10	"	1 12		"	351		351		"	"	"		
9	"	1 12	hr. 18 1/2c	"	351	10	361		"	"	25		
9	"	1 12	" 11c	"	351	20	371		"	neither	50		
9	"	1 12		"	351	15	366		"	"	"		
12	"	1 25		"	391		391		"	"	no	same	
10	"	1 25		"	391	50	441	10	"	"	50		
10	mo.	40 00		"	480		480		"	"	no	same	same
10	"	40 00		"	480		480		"	"	"		
10	"	31 00		"	372		372		"	"	"		
10	"	45 00		"	540		540		"	inc. \$5 mo.	"		
10	day	1 00		"	312		312		"	neither	"		
8	mo.	65 00		"	780		780		"	"	200		same
8	"	80 00		"	606		606		"	"	400		
8	"	75 00		"	900		900		"	"	450		
12	"	100 00		"	1,200		1,200		"	"	"		worse
12	"	100 00	hr. 30c	"	1,200		1,200		"	"	"	worse	
9	"	100 00		"	1,200		1,200		"	"	"		
12	"	75 00		"	675		675		"	"	250	same	
8	"	85 00		"	1,020		1,020		"	neither	450	worse	worse
4 1/2	"	85 00		"	1,020		1,020		"	"	400	same	same
12	"	72 00	hr. 30c	"	847	75	922	12	inc. \$4 mo.	inc. \$4 mo.	no	worse	
12	"	60 00	yes*	"	720		720		dec. \$50 year	inc. \$30 year	300		better
10	"	75 00		"	871		871		inc. 30 "	neither	250	better	better
12	"	70 00		"	840	240	1,080		neither	"	250		
12	"	80 00	hr. 30c	"	960		960		"	"	"	better	better
12	"	90 00	" 30c	"	1,080		1,080		"	"	"	same	same
12	"	90 00	" 30c	"	1,080		1,080		"	"	"	same	worse
11	day	2 75	" 25c	"	861		861	10	"	"	200	worse	
12	mo.	130 00		"	1,560		1,560		"	neither	"	same	
12	"	120 00		"	1,440		1,440		"	"	400		
12	day	3 00	hr. 30c	"	906		906		"	"	no	worse	same
12	mo.	120 00	" 37c	"	1,379		1,379		"	"	300		worse
12	day	3 70		"	1,300		1,300		"	"	500		
13	"	3 00	hr. 25c	"	939		939	12	"	"	250	worse	worse
9	mi.	08 1/2		"	1,400		1,400		"	"	300		
13	mo.	125 00		"	1,375		1,375	12	"	increase	"		
7	mi.	03		"	1,200		1,200		"	neither	yes*	worse	worse
7	trip	3 00		"	1,400		1,400		"	"	400		
12	mo.	90 00		"	1,080		1,080		"	inc. 40c day	no	"	
10	mi.	08 1/2	yes*	"	1,080		1,080	11 1/2	"	" \$25 mo.	300		same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
4854	Springwells	Engineer	L.S. & M. S.	Am.	84	m		2	10	10	12				
4855	Jackson	"	"	"	36	"		1	12	12	11 $\frac{1}{2}$				Sickness
4856	"	"	"	"	36	"		1	12	12	11 $\frac{1}{2}$				
4857	"	"	"	"	37	"		2	10	10	12				
4858	"	"	"	"	38	"		3	12	12	12				
4859	Kalamazoo	Fireman	"	"	22	s		1	11	11	12				
4860	Jackson	"	"	"	27	s		2	12	12	12				
4861	"	"	"	"	24	s		1	12	12	12				
4862	"	"	"	"	27	s		1	12	12	12				
4863	"	"	"	"	29	s		1	12	12	12				
4864	Adrian	"	"	"	30	s		8	8	8	12				
4865	"	"	"	"	25	"					12				
4866	Ypsilanti	"	"	"	27	"		9	9	9	12				
4867	"	"	"	"	23	m		12	12	12	9				Sickness
4868	Grand Rapids	"	"	"	32	"		1	12	12	12				
4869	"	"	"	"	26	"		2	2	2	12				
4870	"	"	"	"	42	"		6			12				
4871	White Pigeon	Brakeman	"	"	30	s			8	8	12				
4882	Adrian	"	"	"	22	"			12	12	11				Accident.
4883	Hillsdale	"	"	"	24	"					12				
4884	Grand Rapids	"	"	"	28	m		3			12				
4885	"	"	"	"	26	s		8	8	8	12				
4886	Toledo	"	"	"	25	s		1	13	13	12				
4887	Detroit	"	"	"	35	s		14	14	14	12				
4888	Fayette	"	"	"	36	m		3	13	13	12				
4889	Toronto	"	"	Can. Am.	27	"		1	8	8	11 $\frac{1}{2}$				
4890	Ypsilanti	"	"	"	26	"		2	12	12	12				
4891	Wyandotte	"	"	"	27	"		3	10	10	9				Sickness.
4892	So. Rockwood	"	"	"	22	s		12	12	12	12				
4893	Dearborn	"	"	"	22	m		1	8	8	12				
4894	Adrian	"	"	"	31	"		3			12				
4895	Allegan	"	"	"	29	s		9	9	9	3				Lack of work
4896	Adrian	"	"	"	33	m		2			12				
4897	Jackson	"	"	"	24	s		12	12	12	12				
4898	"	"	"	"	38	w		1	2	12	12				
4899	"	"	"	"	27	m		2	2	12	12				
4900	"	"	"	"	30	s		12	12	12	12				
4901	"	Baggage man	"	"	34	m		1	12	12	12				
4902	"	"	"	"	54	"		3	1	12	12				
4903	"	"	"	"	51	"		4	1	12	12				
4904	Grand Rapids	"	"	"	45	"					12				
4905	Detroit	"	"	Eng. Am.	63	m		9	9	9	11				Sickness
4914	Albion	Agent.	"	"	34	"		2	13	13	12				
4915	Maybee	"	"	"	30	"		2	12	12	12				
4916	Deerfield	"	"	"	35	"		2	13	13	12				
4917	Ottawa Lake	"	"	"	21	s			12	12	11				Lack of work
4918	Bankers	"	"	"	24	"			13	14	12				Vacation
4919	Flat Rock	"	"	Ger.	24	m		2	13	13	12				
4920	Weston	"	"	Eng. Am.	40	"		2	16	16	12				Pleasure
4921	Wyandotte	"	"	"	38	"		2	12	12	11 $\frac{1}{2}$				Sickness.
4922	"	"	"	"	41	"		2	1	9 $\frac{1}{2}$	9 $\frac{1}{2}$				
4923	Litchfield	"	"	"	33	"		2	14	14	12				Vacation
4924	Manchester	"	"	"	47	"		2	3	10	10				
4925	Allen	"	"	"	24	s			12	12	12				Sickness
4926	Detroit	"	"	"	44	m		2	2	9	9				
4927	"	"	"	Can. Am.	36	s			9	9	12				
4928	Florence	"	"	"	73	m		2	1	6	13				
4929	Quincy	"	"	"	38	"		2	1	11	11				
4930	Dundee	"	"	"	24	s			14	14	12				Vacation
4931	Erie	"	"	"	29	"			12	12	12				Lay off
4932	Blissfield	"	"	"	34	m			12	12	12				
4933	Somerses	"	"	"	34	"		2	10	10	12				Vacation
4934	Clayton	"	"	"	29	s			12	12	12				
4935	"	"	"	"	54	m		4			12				
4936	Napoleon	"	"	Scotch Am.	23	s			15	15	11 $\frac{1}{2}$				Lay off
4937	Hillsdale	"	"	"	32	m		2	3	12	12				Vacation

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	mile	\$0 03½	yes*	mo.	\$1,800		\$1,800	11½	neither	inc. 10%	\$700	same	same*
8	"	03½	yes*	"	1,172		1,172	8	"	neither	300	worse	worse
12	"	03½	yes*	"	1,150		1,150	13½	"	"	400	"	same
10	"	03½	"	"	1,200		1,200	11½	"	"	200	"	worse
12	mo. 145	00	hr. 36c	"	1,740		1,740		"	"	yes*	same	"
11	day	1 85	"	"	422		422		"	"	no	worse	"
12	mo. 80	00	hr. 20c	"	980		980		"	"	yes*	same	better
12	"	75	" 20c	"	900		900		"	"	yes*	worse	worse
12	"	80	"	"	980		980		"	"	150	same	same
12	"	70	hr. 25c	"	840		840		"	"	no	same	better
8	day	2 77	"	"	887		887	12	"	"	50	worse	worse
12	mile	02	hr. 18c	"	720	\$40	760	12	"	"	150	"	"
9	day	2 30	"	"	718		718		"	"	200	same	"
12	mo. 75	00	"	"	675		675		"	"	no	"	"
8	mile	02	"	"	800		800		"	"	100	worse	worse
8	"	02	hr. 18c	"	780	40	820		"	"	225	"	"
8	"	01½	"	"	800		800		"	"	"	"	"
8	"	02	"	"	740		700		"	"	250	same	"
8	mo. 50	00	"	"	600		600		"	"	75	worse	"
12	"	45	"	"	495		495		"	"	no	same	"
8	"	45	"	"	540		540		"	"	25	worse	worse
8	"	45	"	"	540	75	615		"	"	no	same	"
13	"	56	"	"	672		672		"	"	10	same	"
14	"	56	"	"	672		672		"	"	no	worse	"
12	"	56	"	"	672		672		"	"	no	same	"
8	"	45	"	"	518		518		inc. \$2.50 mo.	"	no	better	better
12	"	60	yes*	"	720		720	11	" \$12.50 "	†	no	worse	worse
10	"	50	"	"	450	20	470	11	inc. \$5 mo.	"	"	same	same
12	"	50	"	"	600		600	11	neither	"	no	better	better
8	"	60	"	"	600	100	700	11	"	"	60	same	same
14	"	45	hr. 11c	"	540	120	660		"	"	50	same	same
9	"	50	" 20c	"	150	15	165	12	"	"	no	worse	worse
12	"	45	" 18c	"	540	60	600		"	"	"	same	same
12	"	50	" 20c	"	600		600		"	"	"	same	better
12	"	60	" 20c	"	720		720		"	"	"	worse	worse
12	"	60	" 20c	"	720		720		"	"	150	same	same
12	"	60	" 20c	"	780		780		"	"	200	"	worse
12	"	50	"	"	600		600		"	"	"	same	"
12	"	50	"	"	600		600		"	"	"	same	"
12	"	50	"	"	600		600		"	"	"	same	"
9	"	50	yes*	"	550		550		inc. \$2.50 mo.	inc. \$5 mo.	no	same	same
12	"	65	"	"	780		780		neither	"	"	"	worse
12	"	40	hr. 11½c	"	480	80	560	18	"	"	100	worse	same
12	"	50	"	"	600		600		"	"	300	same	worse
12	"	50	yes*	"	550	60	610	12	"	"	200	"	"
12½	"	40	"	"	465		465		"	"	no	"	"
13½	"	45	"	"	523		523	16	"	"	100	"	"
16	"	40	"	"	476		476		"	"	no	same	same
12	"	55	"	"	622		622		"	inc. \$5 mo.	25	same	same
9½	"	55	"	"	680		680		neither	"	25	worse	worse
14	"	55	"	"	680		680		"	"	no	same	same
10	"	55	"	"	680		680		"	"	no	same	same
12	"	50	"	"	580	68	648		"	"	350	"	same
9	"	175	"	"	2,100		2,100		"	"	yes*	"	"
9	"	70	"	"	640		640		"	inc. 15%	no	"	"
3½	"	7	"	"	84		84		dec. \$25	"	"	"	"
11	"	55	"	"	660		660		"	"	"	"	"
14	"	45	hr. 15c	"	530		530		"	"	200	"	"
12	"	55	yes*	"	492	50	542	6	inc. \$5 mo.	"	no	same	same
12	"	55	"	"	680		680		neither	"	100	"	same
10	"	45	"	"	523		523		"	"	100	"	better
12	"	45	"	"	540		540		"	"	200	"	same
12	"	50	"	"	600		600		"	"	yes*	"	"
12	"	45	"	"	517		517	18	"	inc. \$10 mo.	75	"	"
12	"	65	"	"	742		742		"	neither	no	worse	worse

* Does not say what.

† Increase \$12.50 per month.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
4988	Hillsdale	Agent	L. S. & M. S.	Am.	48	m	2	2	10	10	12			
4989	Ecorse	"	"	"	22	s			10	10	12			
4990	Grand Rapids.	"	"	"	36	m					12			
4991	Ypsilanti	"	"	"	44	m					12			
4992	Monroe	"	"	"	37	"		3	12	12	12			
4993	Homer	"	"	"	42	"		2	12	12	12			
4994	Reading	"	"	"	47	"		2	11	12	12			
4995	Allegan	"	"	"	48	"		3	12	12	12			
4996	Grand Rapids.	Operator	"	"	44	"		1	10	10	12			
4997	Oscoda	"	"	"	27	"		4	12	12	12			
4998	Oscoda	"	"	"	22	s			12	12	12			
4999	Allegan	"	"	"	22	s		1	12	12	9	8		
5000	Lenawee	"	"	"	28	"			12	12	12			
5001	Allen	"	"	"	26	"			12	12	12	8		
5002	Wyandotte	"	"	Eng.	24	"			12	12	12			
5003	Kalamazoo	"	"	Am.	28	m			12	12	10			Sickness
5004	Lansing	"	"	"	22	s			10	10	10	2		
5005	Jackson	"	"	"	23	"			10	10	12			
5006	Adrian	"	"	"	20	"			12	12	6	6		Other work
5007	Monroe	"	"	"	20	"			12	12	12			
5008	Quincy	"	"	"	26	m			12	12	12			
5009	Detroit	Cashier	"	"	21	"			9	9	12 1/2	14		Sickness
5010	Grand Rapids.	"	"	"	25	s			10	10	12			
5011	Jackson	"	"	"	27	m		1	10	10	12			
5012	Allegan	"	"	"	35	m		1	10	10	12			
5013	Lansing	"	"	"	45	"		2	15	12	12			
5014	Detroit	"	"	"	27	"		2	10	10	12			
5015	Sturgis	Clerk	"	"	34	"			10	10	12			
5016	Grand Rapids	"	"	"	25	s			10	10	12			
5017	Schoolcraft	"	"	"	25	"		1	12	12	12			
5018	Albion	"	"	"	21	s			13	13	6	6		Learning tel.
5019	Jackson	"	"	"	35	m		1	9	9	12			
5020	Windsor	"	"	Irish	31	"		3	9	9	12			
5021	Jackson	"	"	Am.	23	s			10	10	12			
5022	Detroit	"	"	"	41	"			12	12	12			
5023	Springwells	"	"	Ger.	30	"		3	10	10	12			
5024	Detroit	"	"	Can.	25	"			9	9	12			
5025	"	"	"	"	31	"		1	9	9	12			
5026	"	"	"	Am.	41	"		4	9	9	10	2		Sickness
5027	"	"	"	"	40	"			9	9	12			
5028	"	"	"	"	18	s			9	9	3	9		Att'nd'g school
5029	"	"	"	"	24	"			9	9	12			
5030	"	"	"	"	27	m			10	10	12			
5031	"	"	"	Eng.	22	s			10	10	12			
5032	"	"	"	Irish	25	"			9	9	12			
5033	"	"	"	"	17	"			10	10	12			
5034	"	"	"	Am.	36	m		1	10	10	12			
5035	"	"	"	Irish	28	"			10	10	12			
5036	"	"	"	Can.	26	"			8	8	12			
5037	"	"	"	Am.	23	"			8	8	12			
5038	"	"	"	Eng.	21	"			9	9	12			
5039	Grand Rapids.	"	"	Am.	21	"			10	10	12			
5040	Monroe	"	"	"	19	"			10	10	9	8		Lack of work
5041	Ypsilanti	"	"	"	37	m		3	10	10	12			
5042	Monroe	"	"	"	19	"			10	10	12			
5043	Monroe	"	"	"	23	m			10	10	12			
5044	Hillsdale	Baggage-man	"	Ger.	34	"		1	10	10	12			
5045	Sturgis	"	"	Eng.	33	"		4	14	14	12			
5046	Lansing	"	"	Am.	35	"		1	10	10	12			
5047	Sturgis	"	"	Am.	29	"		7	10	10	12			
5048	Wyandotte	"	"	Eng.	42	w			12	12	12			
5049	Manchester	"	"	Am.	36	"		3	14	14	12			
5050	Lenawee	"	"	"	48	"		2	12	12	12			
5051	Quincy	"	"	"	23	"			11	11	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per.		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$83 1/2		mo.	\$1,000		\$1,000		neither	neither	\$150	same	same
10	"	40 00	yes*	"	480	\$10	490	12	"	"	50	"	"
12	"	85 00		"	1,020		1,020		"	"	350	worse	worse
10	"	75 00		"	900		900	10	"	"	300	same	same
12	"	55 00		"	680		680		"	"	100	"	"
12	"	55 00		"	680		680		"	"	100	"	"
11 1/2	"	60 00		"	720		720		"	"	100	"	"
12	"	75 00		"	900		900		"	"	600	worse	worse
10	"	60 00		"	720		720		"	"	100	"	"
12	"	40 00		"	480		480		"	"		"	"
12	"	40 00		"	480		480		"	neither	62	same	same
12	"	45 00		"	405		405		"	"	no	better	"
12	"	45 00		"	510		540		"	"	yes*	same	"
12	"	40 00		"	478		478		"	"	250	"	"
12	"	40 00		"	480		480		"	"	150	worse	worse
12	"	50 00		"	600		600		"	"	no	"	"
10	"	40 00		"	400		400	10	"	"	"	"	"
10	"	45 00		"	540		540		"	"	"	same	"
12	"	50 00		"	300		300		"	"	200	worse	"
12	"	50 00		"	600		600		"	"	125	"	"
12	"	50 00		"	600		600		"	"	50	"	"
12	"	40 00		"	480		480		"	"	no	same	same
9	"	50 00	yes*	"	600		600	9	inc. \$10 mo.	"	200	better	better
10	"	100 00		"	1,200		1,200		neither	"	no	same	same
10	"	80 00		"	720		720		"	"	100	worse	worse
10	"	80 00		"	720		720		"	"	"	same	same
12 1/2	"	40 00		"	480		480		"	"	no	"	"
10 1/2	"	45 00		"	540		540		"	"	"	worse	worse
10	"	85 00		"	780		780		"	"	"	same	same
10	"	45 00		"	540		540		inc. \$10 mo.	inc. \$13 mo.	"	worse	worse
10	"	60 00		"	720		720		neither	neither	"	"	"
12	"	32 00		"	384		384		"	"	"	same	"
12	"	40 00		"	240		240		"	inc. \$40	"	"	"
10	"	50 00		"	600		600		"	neither	"	"	same
9	"	100 00		"	1,200		1,200		"	inc. \$10 mo.	no	"	"
12	"	50 00		"	600		600		"	"	"	"	better
10	"	49 50		"	510		510		"	"	100	same	same
10	"	50 00		"	600		600		"	inc. \$3 mo.	no	worse	"
9	"	45 00		"	540		540		inc. \$5 mo.	" 5 "	"	same	same
9	"	50 00		"	600		600		neither	"	"	"	"
9	"	50 00		"	500		500		inc. \$5 mo.	inc. \$5 mo.	"	better	worse
9	"	40 00		"	480		480		neither	neither	"	same	better
9	"	31 00		"	98		93		"	inc. \$5 mo.	100	same	"
10	"	50 00		"	600		600		inc. \$20 mo.	inc. \$10 mo.	no	better	same
10	"	65 00		"	780		780		"	" 10 "	no	same	better
10	"	55 00		"	660		660		"	"	"	same	better
10	"	60 00		"	720		720		"	"	"	worse	same
10	"	45 00		"	540		540		"	inc. \$10 mo.	"	same	better
10	"	45 00		"	540		540		"	"	"	"	"
10	"	55 00		"	660		660		"	"	200	"	"
8	"	50 00		"	600		600		"	neither	yes*	"	same
8	"	70 00		"	840		840		"	"	no	better	better
9	"	45 00		"	540		540		"	"	"	worse	"
10	"	50 00		"	600		600		"	"	"	"	worse
10	day	1 25		"	293		293		"	"	"	"	"
10	mo.	50 00		"	600		600		"	"	"	same	same
10	"	30 00		"	360		360		"	"	180	"	"
10	"	40 00		"	480		480		"	"	no	"	"
10	"	40 00		"	480		480		"	"	"	"	"
14	"	32 00		mo.	384		384		"	"	no	same	"
12	"	40 00		"	480		480		"	"	"	worse	worse
10	"	32 00		"	384		384		"	"	"	"	"
12	"	30 00		"	360		360		"	"	"	"	"
14	"	30 00		"	360		360		"	"	"	"	"
12	"	35 00		"	420		420	12	"	"	"	same	same
11	"	32 00		"	384		384		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5084	Blissfield	Baggageman	L.S. & M.S.	Am.	52	m	2	3	13	18	12			
5085	Clayton	"	"	"	37	"	2	3	12	10		2		Injury
5086	Grand Rapids	"	"	"	20	s		12	12	12				
5087	Ypsilanti	"	"	"	29	m	2	12	9	9		2		Injury
5088	Monroe	"	"	"	58	"	14	14	12	12				
5089	Eckford	"	"	"	29	"	3	2	12	12				
5090	Reading	"	"	"	20	s					11½		15	Pleasure
5091	Adrian	"	"	"	30	"	4	14	14	12				
5092	Jackson	"	"	"	51	m	2	12	12	12				
5093	"	"	"	"	25	"	2	12	12	12				
5094	Otsego	"	"	"	32	s					1			Injury
5095	Allegan	"	"	Am.	17	s	2	1	12	9	2½	21		Sickness
5096	Flat Rock	"	"	"	20	s		8½	10	2½				Lack of work
5097	Blissfield	"	"	"	27	m	2	10	13	12				
5098	Albion	Carpenter	"	"	39	m	2	4	13	10				
5099	Adrian		"	"	52	"	2	3	9	10	12			
5090	"	"	"	"	35	"	2	3	9	10	12			
5091	"	"	"	"	52	"	2	6	9	10	12			
5092	"	"	"	"	48	"	2	6	9	10	12		1	Sickness
5093	"	"	"	"	40	"	2	4	9	10	12			
5094	"	"	"	"	40	s	3	3	9	10	12		2	Sickness
5095	"	"	"	"	42	"	4	9	10	12				
5096	"	"	"	"	41	m	3	7	9	10	12			
5097	"	"	"	"	41	"	1	7	9	10	12			
5098	"	"	"	"	45	"	1	9	10	12				
5099	"	"	"	"	43	m	1	9	10	12				
5090	"	"	"	"	43	"	1	9	10	12		1		Sickness
5091	"	"	"	"	78	"	5	9	10	12				
5092	"	"	"	"	84	"	3	9	10	12				
5093	"	"	"	"	44	"	2	3	9	10	12			
5094	"	"	"	"	27	"	2	4	9	10	9		3	Other business
5095	"	"	"	"	37	s	2	2	9	10	10		2	Sickness
5096	"	"	"	"	39	"	2	8	9	10	12			
5097	"	"	"	"	45	m	2	5	9	10	12			
5098	"	"	"	"	45	"	2	9	9	10	11		1	Other business
5099	"	"	"	"	45	"	2	4	9	10	12			
5090	"	"	"	"	51	"	2	1	9	10	12			
5091	"	"	"	"	45	"	2	1	9	10	12		2	Other business
5092	"	"	"	"	47	"	2	2	9	10	11		1	Sickness
5093	"	"	"	"	28	s	2	2	9	10	9		3	
5094	"	"	"	"	35	m	2	5	9	10	12			
5095	"	"	"	"	28	"	2	9	10	11				
5096	"	"	"	"	36	m	2	3	9	10	11		1	Lack of work
5097	"	"	"	"	59	"	2	9	10	12				Sickness
5098	"	"	"	"	84	"	2	3	9	10	12			
5099	"	"	"	"	46	"	2	3	9	10	12			
5090	"	"	"	"	49	"	2	9	9	10	12			
5091	"	"	"	"	37	"	2	2	9	10	10		2	Sickness
5092	"	"	"	"	37	"	2	3	9	10	12			
5093	"	"	"	"	43	"	2	1	9	10	12			
5094	"	"	"	"	38	"	2	6	9	10	12			
5095	"	"	"	"	49	"	2	3	9	10	12			
5096	"	"	"	"	57	"	2	4	9	10	8		4	Sickness
5097	"	"	"	"	57	"	2	4	9	10	12			
5098	"	"	"	"	55	"	2	4	9	10	10		2	Sickness
5099	"	"	"	"	66	"	2	4	9	10	12			
5090	"	"	"	"	82	"	2	2	9	10	12			
5101	"	Wood mach.	"	"	41	s	2	2	9	10	12			
5102	"		"	"	50	m	2	3	9	10	10		2	Sickness
5103	"	Cabinetm'r.	"	"	50	"	2	3	9	10	12			
5104	"	"	"	"	59	"	2	9	9	10	12			
5105	"	Patternm'r.	"	"	46	"	2	2	9	10	12			
5106	"	"	"	"	38	"	2	1	9	10	12			
5107	"	"	"	"	55	"	2	3	9	10	9			
5108	"	"	"	"	83	"	2	9	9	10	10		2	Sickness
5109	"	Helper	"	"	17	s	2	9	9	10	12			
5110	"	Upholsterer	"	"	63	m	2	1	9	10	12			
5111	"	"	"	"	59	"	2	4	9	10	12			
5112	"	"	"	"	19	s			9	10	12			

* Foreman cabinet shop.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
13	mo.	\$32 00	-----	mo.	\$384	-----	\$384	-----	neither	neither	no	same	same
12	"	32 00	-----	"	480	-----	320	-----	"	"	\$100	worse	worse
9	"	40 00	-----	"	405	-----	405	-----	"	"	100	same	same
14	"	40 00	-----	"	480	-----	480	-----	"	"	no	worse	worse
12	"	30 00	-----	"	360	-----	360	-----	"	"	75	same	same
14	"	30 00	-----	"	344	-----	344	-----	"	"	no	"	"
14	"	32 00	-----	"	384	-----	384	-----	"	"	"	"	"
12	"	40 00	-----	"	480	-----	480	-----	"	"	"	"	"
12	"	40 00	-----	"	480	-----	480	-----	"	"	"	"	"
12	"	32 00	-----	"	352	-----	352	-----	"	"	"	"	"
12	"	32 00	-----	hr 11c	288	\$45	333	12	"	"	yes*	better	same
9 1/2	"	25 00	-----	"	55	-----	55	-----	"	"	no	same	same
10	day	1 10	-----	"	257	-----	257	-----	"	"	"	worse	better
13	mo.	30 00	-----	"	360	-----	360	-----	"	"	"	"	"
9 1/2	day	2 00	-----	"	626	-----	626	10	"	"	"	worse	worse
9 1/2	"	1 70	-----	"	582	-----	582	-----	"	"	"	"	"
9 1/2	"	1 90	-----	"	595	-----	595	10	"	"	"	"	"
9 1/2	"	1 90	-----	"	543	-----	543	10	"	"	"	"	worse
9 1/2	"	1 90	-----	"	595	-----	595	-----	"	"	"	"	"
9 1/2	"	1 70	-----	"	582	-----	582	-----	"	"	"	"	"
10	"	1 70	-----	"	442	-----	442	-----	"	neither	"	"	"
9 1/2	"	1 70	-----	"	532	-----	532	-----	"	"	75	same	same
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	neither	50	worse	worse
9 1/2	"	2 00	-----	"	572	-----	575	-----	"	"	no	"	"
9 1/2	"	1 70	-----	"	532	-----	532	-----	"	"	"	"	"
9 1/2	"	1 50	-----	"	429	-----	429	-----	"	"	"	"	"
9 1/2	"	1 80	-----	"	515	-----	515	10	"	neither	"	"	"
9 1/2	"	1 70	-----	"	582	-----	582	10	"	"	"	"	"
9 1/2	"	1 80	-----	"	563	-----	563	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	368	-----	368	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	442	-----	442	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	532	-----	532	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	532	-----	532	10	"	"	"	"	"
9 1/2	"	1 80	-----	"	563	-----	563	10	"	"	no	"	"
9 1/2	"	1 90	-----	"	594	-----	594	10	"	"	25	"	"
9 1/2	"	1 20	-----	"	442	-----	442	10	"	"	no	"	"
9 1/2	"	1 50	-----	"	421	-----	421	10	"	"	"	"	"
9 1/2	"	1 50	-----	"	351	-----	351	10	"	"	"	"	"
9 1/2	"	1 90	-----	"	595	-----	595	-----	"	"	50	"	"
9 1/2	"	1 90	-----	"	543	-----	543	-----	"	"	75	"	"
9 1/2	"	1 90	-----	"	543	-----	543	-----	"	inc. 10c day	120	"	"
9 1/2	"	1 90	-----	"	595	-----	595	10	"	neither	no	"	"
9 1/2	"	1 70	-----	"	582	-----	582	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	532	-----	532	10	"	"	"	"	"
9 1/2	"	1 80	-----	"	468	-----	468	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	582	-----	582	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	532	-----	532	10	"	"	"	"	"
9 1/2	"	1 70	-----	"	396	-----	396	10	"	"	"	"	"
9 1/2	"	1 80	-----	"	374	-----	374	10	"	"	"	"	"
9 1/2	"	1 35	-----	"	423	-----	423	-----	"	"	"	"	"
9 1/2	"	1 80	-----	"	468	-----	468	10	"	"	"	"	"
9 1/2	"	2 20	-----	"	689	-----	689	10	"	"	"	"	"
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	neither	"	"	"
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	"	50	"	"
9 1/2	"	2 00	-----	"	520	-----	520	-----	"	"	no	"	"
9 1/2	"	2 30	-----	"	720	-----	720	-----	"	"	"	"	"
9 1/2	"	2 60	-----	"	814	-----	814	-----	"	dec. 10c day	100	"	"
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	neither	100	"	"
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	"	"	"	"
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	"	no	"	"
9 1/2	"	2 00	-----	"	520	-----	520	-----	"	"	"	"	"
9 1/2	"	1 00	-----	"	318	-----	318	-----	"	"	"	"	"
9 1/2	"	2 35	-----	"	829	-----	829	-----	"	neither	yes*	same	same
9 1/2	"	2 00	-----	"	626	-----	626	-----	"	"	no	worse	worse
9 1/2	"	1 00	-----	"	318	-----	318	-----	"	"	50	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Natvity.	Age.	Married or single.	No. in family.		Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.			Months.	Days.	
5113	Adrian	Foreman*	L.S. & M.S.	Am.	64	m	2	9	10	13			
5114	"	As't forem'n†	"	"	46	s	1	9	10	13			
5115	"	Car repairer	"	"	33	s	2	9	10	13			
5116	"	"	"	"	46	m	2	9	10	11	1		Sickness
5117	"	"	"	"	38	s	10	9	10	13			
5118	"	"	"	"	33	s	2	9	10	13			
5119	"	"	"	"	33	s	2	9	10	13			
5120	"	"	"	"	50	m	1	9	10	13	4		Other business
5121	Detroit	"	"	Ger.	50	m	2	9	10	13			
5122	"	"	"	"	47	"	2	9	10	13			
5123	Kalamazoo	"	"	Am.	43	"	2	10	10	13			
5124	Jackson	"	"	"	44	"	1	10	10	13			
5125	"	"	"	Irish	55	"	2	12	12	13			
5126	"	"	"	Am.	34	"	2	12	12	10	2		Sickness
5127	Adrian	"	"	"	37	w	1	4	9	10	1		Vacation
5128	"	"	"	"	37	w	1	9	10	12			
5129	"	Painter	"	"	21	s	1	9	10	12			
5130	"	"	"	"	46	m	2	6	9	10			
5143	"	Machinist	"	"	30	"	2	8	9	10	4		Other business
5144	"	"	"	"	48	"	3	9	10	12			
5145	"	"	"	"	53	"	2	1	10	12			
5146	"	Helper	"	"	18	s	1	9	10	12			
5148	"	"	"	"	19	"	1	9	10	3			
5147	"	"	"	"	21	"	1	9	10	12	9		Other business
5149	"	Blacksmith	"	"	50	m	1	9	10	12			
5150	"	"	"	"	63	"	1	9	10	11	1		Sickness
5151	"	"	"	"	71	"	4	9	10	12			
5152	"	"	"	"	60	"	4	9	10	11	1		Sickness
5153	"	"	"	"	55	"	2	9	10	12			
5156	"	Tinner	"	"	24	s	2	9	10	6	6		Other work
5157	"	"	"	"	50	m	8	9	10	11	1		Sickness
5158	"	Molder	"	"	68	"	1	9	10	12			
5159	"	Sta. engineer	"	"	26	s	2	9	10	9	3		Sickness
5170	"	Driller	"	"	19	"	1	9	10	11	1		Injury
5171	"	Plumber	"	"	20	"	1	9	10	12			
5172	"	Foreman ‡	"	"	47	m	2	2	9	10	12		
5173	Detroit	Yard master	"	"	58	"	2	2	10	10	12		
5174	Adrian	"	"	"	51	"	1	10	10	12			
5175	Lansing	"	"	"	52	"	2	10	10	12			
5176	Jackson	Sw'ch firem'n	"	"	22	"	2	12	12	12			
5177	Adrian	Switchman	"	"	32	"	2	1	10	10	12		
5178	"	"	"	"	26	s	1	10	10	12			
5179	Monroe	"	"	"	25	"	1	10	10	12			
5180	"	"	"	"	30	m	2	3	10	10	12		
5181	Ypsilanti	"	"	"	35	s	2	10	10	8	4		Vacation
5182	Kalamazoo	"	"	"	28	m	2	2	10	10	12		
5183	"	"	"	"	37	"	2	10	10	12			
5184	Jackson	"	"	"	43	"	2	2	10	10	12		
5185	"	"	"	"	28	s	2	10	10	12			
5186	"	"	"	"	28	m	2	12	12	12			
5187	Adrian	Interlockers§	"	"	26	"	2	1	10	10	13		
5188	Kalamazoo	Target man	"	Eng.	50	s	2	12	12	12			
5189	Jackson	"	"	Am.	58	m	3	12	12	12			
5190	"	"	"	Ger.	64	"	2	2	12	12	12		
5191	Kalamazoo	Flagman	"	Hol.	76	"	3	12	12	12			
5192	"	"	"	Irish	54	"	4	12	12	10	2		
5193	Detroit	"	"	Scotch	65	"	2	1	12	12			
5194	Grand Rapids	"	"	Swiss	60	m	2	1	10 1/2	10 1/2			
5195	Jackson	Cross. tend.	"	Am.	43	s	2	12	12	12			
5196	Monroe	Car inspec'r	"	"	38	m	2	8	10	10	12		
5197	"	"	"	Can.	33	"	2	2	10	10	12		
5198	Ypsilanti	"	"	Am.	45	"	2	2	10	10	12		
5199	Detroit	"	"	Ger.	31	"	2	4	12	12	12		
5200	"	"	"	"	46	"	2	8	10	10	12		
5201	Kalamazoo	"	"	Am.	32	"	2	12	12	11 1/2	15		Sickness
5202	Springwells	Wiper	"	Ger.	38	"	2	1	12	12			

* Repair shop. † Car shop. ‡ Casting room. § Foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per.			Regular time.	Over-time.	Total.						
9½	day	\$1 90		mo.	\$595		\$595		neither	neither	\$100	worse	worse
9½	"	2 00		"	628		628	10	"	"	150	"	"
9½	"	1 80		"	407		407	10	"	"	no	"	"
9½	"	1 70		"	426		426	10	"	"	"	"	"
9½	"	1 50		"	470		470	10	"	"	"	"	"
9½	"	1 50		"	470		470	10	"	"	"	"	"
9½	"	2 00		"	628		628	10	"	neither	"	same	same
9½	"	1 90		"	395		395	10	"	"	"	worse	worse
10	mo.	45 00		"	540		540	10	"	"	"	same	same
10	"	40 00	yes*	"	480		480	10	"	"	"	worse	worse
10	"	50 00		"	600		600		"	"	"	same	same
10	day	1 60		"	501		501		"	"	"	same	same
12	mo.	45 00		"	540		540		"	"	"	"	"
12	day	1 60		"	416		416		"	"	"	"	"
9½	"	1 90		"	543		543	10	"	"	no	worse	worse
9½	"	1 70		"	532		532		"	"	50	same	same
9½	"	1 50		"	470		470		inc. 30c day	"	50	"	"
9½	"	1 80		"	563		563		neither	neither	50	worse	worse
9½	"	2 10		"	437		437	10	"	"	"	"	"
9½	"	2 40		"	751		751	10	"	"	no	"	"
9½	"	1 70		"	532		532	10	"	neither	50	"	"
9½	"	1 30		"	376		376	10	"	"	25	"	"
9½	"	1 20		"	94		94	10	"	"	no	"	"
9½	"	1 20		"	376		376	10	"	neither	"	better	better
9½	"	2 40		"	751		751	10	"	"	"	worse	worse
9½	"	2 30		"	573		572	10	"	"	"	"	"
9½	"	2 15		"	642		642	10	"	"	"	"	"
9½	"	2 30		"	658		658	10	"	"	25	"	"
9½	"	3 15		"	673		673	10	"	"	no	"	"
9½	"	1 80		"	281		281	10	"	"	no	"	"
9½	"	2 00		"	572		572		"	"	"	"	"
9½	"	2 40		"	751		751	10	"	"	50	"	"
9½	"	1 70	1½ time	"	398		398	10	"	"	no	"	"
9½	"	1 20		"	343		343	10	"	dec. 30c day	"	"	"
9½	"	1 35		"	423		423	10	"	neither	120	better	better
9½	"	1 50		"	439		439		"	"	no	worse	worse
10	mo.	100 00		"	1,200		1,200		inc. \$15 mo.	"	no	same	same
10	"	88 00		"	996		996		neither	"	100	worse	worse
10	"	60 00		"	720		720		"	"	100	"	"
12	"	55 00	hr. 20c	"	660		660		"	"	no	"	"
10	"	60 00		"	720		720		inc. \$15 mo.	"	100	"	worse
10	"	60 00		"	720		720		15	"	no	"	"
10	"	50 00		"	600		600		neither	"	50	"	"
10	"	70 00		"	840		840		"	"	100	"	"
10	"	60 00	yes*	"	480	\$80	560	10	"	"	200	worse	worse
10	"	40 00	hr. 15c	"	480		480		"	neither	"	"	"
10	"	60 00		"	720		720		"	"	150	worse	worse
10	"	60 00		"	720		720		"	"	"	same	"
10	"	35 00	hr 12½c	"	420		420	10	"	"	no	"	"
12	"	50 00		"	600		600		"	"	"	worse	same
10	"	70 00		"	840		840		inc. \$30 mo.	"	420	same	"
12	"	80 00		"	860		860		neither	neither	no	"	same
12	"	40 00		"	480		480		"	"	"	"	"
12	"	40 00		"	480		480		"	"	"	"	worse
12	"	30 00		"	360		360		"	"	25	worse	"
12	"	30 00		"	300		300		"	"	no	"	"
12	"	30 00		"	360		360		"	"	"	same	"
10½	"	32 00		"	384		384		"	"	"	worse	"
12	"	45 00		"	540		540		"	"	100	"	"
10	"	50 00		"	600		600		"	"	50	"	"
10	"	45 00		"	540		540		"	"	no	"	"
10	"	60 00		"	720		720		"	"	150	same	same
10	"	55 00		"	660		660		"	"	50	better	worse
10	"	60 00		"	720		720		"	"	no	same	"
12	"	45 00		"	518		518		"	"	150	"	better
12	"	35 00		"	420		420	12	"	neither	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
5203	Grand Rapids.	Eng'e wiper	L.S. & M.S.	Am.	37	m	2	3	12	12	12				
5204	Ypsilanti	Watchman		"	38	"	2	2	12	12	12				
5205	Adrian	"	"	"	64	"	4	1	10	10	12				
5206	Monroe	"	"	"	26	"	2	3	12	12	12				
5207	"	Pumper	"	"	67	"	0	0	10	10	12				
5208	Allegan	Sec. forem'n	"	"	28	"	1	1	10	10	10	2			Sickness
5209	Otsego	"	"	"	25	"	2	2	10	10	8	4			Lay off.
5210	Brooklyn	"	"	Ger.	32	"	2	1	10	10	12				
5211	Albion	"	"	"	45	"	1	1	10	10	12				
5212	Maybee	"	"	"	43	"	3	3	10	10	12				
5213	Manchester	"	"	Am.	38	"	5	5	10	10	12				
5214	Schoolcraft	"	"	"	34	"	4	4	10	10	12				
5215	Lenawee	"	"	"	40	"	3	3	10	10	12				
5216	Dundee	"	"	"	47	"	1	1	9	10	12				
5217	Quincy	"	"	"	45	"	4	4	10	10	12				
5218	Newport	"	"	Ger.	47	"	3	8	10	10	12				
5219	Somers Center	"	"	Am.	42	"	2	3	10	10	12				
5220	Hillsdale	"	"	"	40	"	3	2	10	10	12				
5221	Ypsilanti	"	"	Ger.	53	"	3	2	10	10	12				
5222	Monroe	"	"	Am.	33	"	2	4	10	10	12				
5223	"	"	"	"	43	"	2	3	10	10	12				
5224	Reading	"	"	"	49	"	2	2	10	10	12	12			Sickness
5225	Adrian	"	"	Ger.	46	"	2	4	10	10	12				
5226	Jackson	"	"	"	47	"	2	4	10	10	12				
5227	Lansing	"	"	Irish	46	"	8	8	10	10	12				
5228	Allegan	"	"	Am.	30	"	2	2	10	10	12				
5229	"	"	"	"	37	"	2	1	10	10	12				
5230	Kalamazoo	"	"	"	38	"	2	3	10	10	12				
5250	Jackson	Sectionman	"	"	48	"	3	3	10	10	12				
5251	"	"	"	"	53	"	3	3	10	10	12				
5252	"	"	"	"	42	"	2	2	10	10	12				
5253	"	"	"	Ger.	34	s			10	10	12				
5254	"	"	"	Am.	29	m	2	2	10	10	12				
5255	"	"	"	"	46	"	2	2	10	10	12				
5256	"	"	"	"	26	s			10	10	12				
5257	Lansing	"	"	"	35	"			10	10	12				
5258	"	"	"	Ger.	53	m	2	5	10	10	12				
5259	"	"	"	Am.	38	"	2	3	10	10	12				
5260	"	"	"	Ger.	23	s			10	10	12				
5261	Monroe	"	"	"	28	"			10	10	12				
5262	"	"	"	Am.	29	m	2	6	10	10	12				
5263	"	"	"	"	32	"	2	2	10	10	12				
5264	"	"	"	"	29	"	2	2	10	10	10	2			Lack of work
5265	"	"	"	Ger.	29	"	2	2	10	10	10	2			"
5266	"	"	"	Irish	50	"	2	4	10	10	12				
5267	Ypsilanti	"	"	Ger.	42	"	2	6	10	10	12				
5268	"	"	"	Am.	48	"	2	3	10	10	12				
5269	"	"	"	"		s	2	2	10	10	8	4			Lack of work
5270	Napoleon	"	"	"	37	m	2	3	10	10	7	5			"
5271	"	"	"	Ger.	38	"	2	4	10	10	12	2			Sickness
5272	"	"	"	Dutch	30	s			10	10	7	5			Lack of work
5273	Dundee	"	"	Am.	35	m	2	1	10	10	8	4			"
5274	Adrian	Washer	"	"	45	"	2	4	9	10	12				
5275	"	"	"	"	43	"	2	6	9	10	12				
5276	"	"	"	"	48	"	2	2	9	10	12				
5277	Jackson	Car cleaner	"	Ger.	29	"	2	3	10	10	12				
5278	"	"	"	Am.	42	s			10	10	12				
5279	"	"	"	"	40	"			12	12	12				
5280	"	Coal handler	"	Pole	24	m	2	1	12	12	12				
5281	"	"	"	"	35	"	2	2	12	12	12				
5282	Springwells	Frt. handler	"	Ger.	32	"	2	1	10	10	12				
5283	Dearborn	"	"	Am.	30	"	2	1	11	11	12				
5284	Detroit	"	"	"	27	s			10	10	12				
5285	"	"	"	"	18	"			10	10	6	6			
5286	"	"	"	Irish	22	"			10	10	12				
5287	"	"	"	Am.	40	m	2	3	10	10	12				

Railway Employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per.			Regular time.	Overtime.	Total.						
12	mo.	\$45 00		mo.	\$540		\$540		neither	neither		worse	worse
12	"	45 00		"	540		540		"	inc. 10c day	no	same	same
12	"	44 00		"	528		528		"	neither	"	worse	worse
12	"	45 00		"	540		540		"	"	"	"	"
10	"	45 00		"	420		420		"	"	"	"	"
10	"	48 00		"	480		480		"	"	\$150	same	same
10	"	48 00		"	368		368		"	"	"	"	"
10	"	48 00		"	552		552		neither	neither	50	same	same
10	"	48 00		"	552		552		"	"	no	"	"
10	"	40 50		"	486		486		"	"	100	"	worse
10	"	48 00		"	552		552		"	"	no	"	same
10	"	48 00		"	552		552		"	"	"	"	"
10	"	40 50		"	486		486		"	"	yes*	"	"
10	"	48 00		"	552		552		"	"	"	"	"
10	"	48 00		"	552		552		"	"	25	same	same
10	"	48 00		"	552		552		"	"	no	"	better
10	"	46 00		"	552		552		"	"	"	"	worse
10	"	46 00		"	552		552	10	"	"	"	"	same
10	"	48 00		"	552		552		"	"	75	worse	worse
10	"	48 00		"	552		552		"	"	no	"	"
10	"	45 00		"	520		520		"	"	70	same	same
10	"	46 00		"	552		552	10	"	"	no	worse	worse
10	"	60 00	hr. 25c	"	720		720	10	"	"	no	same	better
10	"	48 00		"	552		552		"	"	"	"	"
10	"	46 00		"	552		552		"	"	"	worse	worse
10	"	48 00		"	552		552		"	"	"	"	"
10	day	1 10	hr. 11c	"	344		344	10	"	"	"	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	same	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	worse	worse
10	"	1 10	" 11c	"	344		344	10	"	"	"	same	same
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	worse
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	same
10	"	1 10	" 11c	"	344		344	10	"	"	no	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	50	same	same
10	"	1 10	" 11c	"	344		344	10	"	"	no	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	worse	worse
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	"	same	same
10	"	1 10	" 11c	"	344		344	10	"	"	no	"	same
10	"	1 10	" 11c	"	344		344	10	"	"	60	"	"
10	"	1 10	" 11c	"	344		344	10	"	"	50	"	"
10	"	1 10	hr. 11c	"	200		200	13	"	"	no	"	"
10	mo.	30 00		"	240		240		"	"	"	"	"
10	"	1 20		"	376		376	10	"	decrease	"	worse	worse
10	"	1 20		"	376		376	10	"	neither	"	"	"
10	"	1 40		"	438		438	10	"	"	"	"	"
10	"	1 60		"	506		506		"	"	"	"	"
10	"	1 35		"	423		423		"	"	"	same	same
12	"	1 35	hr 13 1/4c	"	423		423	12	"	"	"	"	worse
12	"	1 15		"	360		360		"	"	"	better	better
12	"	1 15		"	360		360		"	"	"	"	"
10	mo.	30 00	yes*	"	360		360	10	"	"	"	"	"
11	"	30 00	"	"	360		360	11	"	"	no	worse	same
10	"	31 00	"	"	372	50	422	10	"	"	75	same	worse
10	"	31 00	"	"	186	85	221	10	"	"	no	"	"
10	"	31 00	"	"	372	100	472	10	"	"	95	worse	"
10	"	31 00	"	"	372	75	447	10	"	"	no	same	same

- Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
5288	Detroit	Frt. handler	L.S. & M.S.	Am.	23	s			10	10	12				
5289	"	"	"	Can.	21	s			10	10	9		3		Att'nd'g school
5306	Springwells	Truckman	"	Ger.	30	m	2	3	10	10	12				
5307	Grand Rapids	"	"	Am.	25	s	2	1	10	10	12				
5308	"	"	"	"	40	w	1	3	10	10	9		3		
5309	Springwells	Laborer	"	Ger.	34	m	2	6	10	10	12				
5310	Detroit	"	"	"	42	s	2	1	10	10	12				
5311	Maybee	"	"	"	32	s			10	10	12		3		Pleasure
5312	Springwells	"	"	"	34	m	2	3	12	12	12				
5313	Adrian	"	"	Am.	57	s	2	2	9	10	12				
5314	"	"	"	"	35	s			9	10	9		3		
5315	"	"	"	"	31	s			10	10	11		1		Sickness
5316	Newport	"	"	Ger.	61	m	6		10	10	12				
5317	Maybee	"	"	Am.	27	s	2		10	10	12		6		Vacation
5318	"	"	"	"	17	s			10	10	3				
5319	Brooklyn	"	"	"	31	m	2	2	10	10	12				
5320	Adrian	"	"	"	41	s	2	1	9	10	10		2		Lack of work
5321	"	"	"	"	38	s	2	3	9	10	11		1		"
5322	"	"	"	"	58	s	2		9	10	12				
5323	"	"	"	"	52	s		2	9	10	12				
5324	"	"	"	"	55	s	2	1	9	10	12				
5325	"	"	"	"	45	s	2	2	10	10	8		4		Lack of work
5326	"	"	"	"	38	s	2	3	9	10	2		10		Other work.
5327	"	"	"	"	34	s	2	2	9	10	13				
5328	Kalamasoo	Station man	"	"	32	s	2	1	10	10	12				
5329	"	"	"	"	18	s			10	10	12				
5330	Sturgis	"	"	"	19	s			10	10	7				
5331	"	"	"	"	44	s			10	10	12				
5332	Jackson	Trainmast'r	"	"	50	m	3		10	10	12				
5333	Detroit	Asst. f'man	"	Irish	41	s			10	10	12				
5334	Adrian	Drayman	"	Am.	16	s			9	10	3		9		Att'nd'g school
5335	Grand Rapids	R. H. f'man	"	"	40	m	2	2	12	12	12				
5336	Jackson	R.houseman	"	"	40	m	2		12	12	12				
5337	"	"	"	"	22	s			12	12	12				
5338	"	"	"	"	27	s			10	10	12				
5339	Adrian	Lumb'r'y'd*	"	"	23	s			9	10	12				
5340	"	" yd'm'n	"	"	24	s			9	10	1		11		Other business
5341	"	"	"	"	21	s			9	10	3		9		"
5343	Port Huron	Conductor	G. T. R.	Can.	28	m	3	2		10			2		Resting
5344	"	"	"	"	35	s	2	3		11			30		Vacation
5345	"	"	"	Am.	28	s				11			30		
5346	"	"	"	"	37	m	3	1		10			2		Pleasure
5347	"	"	"	"	32	s	2	2	6	6	12				
5348	"	"	"	Can.	45	s	2	3	6	6	12				
5349	"	"	"	"	50	w	1	1	6	6	12				
5350	"	"	"	Am.	35	m	2	1	6	6	11		30		Vacation
5351	"	"	"	Can.	35	s				11			30		"
5352	"	"	"	"	40	s	2	2		11			30		"
5353	"	"	"	"	39	s	2	1	6	6	12				
5354	"	"	"	Am.	35	s	2	3	12	12	11½		15		Sickness
5355	"	"	"	Can.	38	s	2	2	12	12	11½		15		Vacation
5356	"	"	"	Am.	35	s	2	1	12	12	11½		20		Sickness
5357	"	"	"	"	30	s	2	1	12	12	11		30		Vacation
5358	"	"	"	"	29	s			12	12	11		30		"
5359	Detroit	"	"	Eng.	45	m	2	8	10	10	12				
5360	Pontiac	"	"	Am.	33	s	2	4	10	10	11		1		Sickness
5361	Port Huron	"	"	"	33	s		1	10	10	12				
5362	Fort Gratiot	"	"	"	42	s	2	3	10	10	11		1		Lack of work
5363	Battle Creek	"	"	"	38	s	2			11½			15		Sickness
5364	"	"	"	"	46	s	2	2		9			8		"
5365	"	"	"	"	44	s	4	1		11			1		Sick & vacat'n
5366	"	"	"	"	33	s	2	2	12	12	12				
5367	"	"	"	Can.	23	s				12					
5368	"	"	"	Am.	34	s		2		11			1		Vacation
5369	"	"	"	Can.	35	s	2	2		12			4		

* Foreman.

Railway employes.

Average hours on duty.	Regular time.	Over-time.		Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	mo. \$31 00	yes*	mo.		\$372	\$70	\$442	10	neither		no	same	same
10	" 31 00	"	"		279		279	10	"	neither	\$100	"	"
10	" 38 00	"	"		456		456	10	"	"	100	"	worse
10	" 22 00	"	"		384	35	419		"	neither	no	worse	"
10	" 22 00	"	"		288		288		"	"	"	"	"
10	" 30 00	"	"		390		390	10	"	"	no	same	better
10	" 30 00	"	"		390		390		"	"	"	"	same
12	day 1 10	hr. 11c	"		341	2	343		"	"	"	"	"
9 1/2	mo. 35 00	"	"		400		400	12	"	"	"	"	better
9 1/2	day 1 20	"	"		376		376	10	"	"	"	worse	worse
10	" 1 20	"	"		281		281	10	"	"	"	"	"
10	" 1 10	"	"		315		315	10	"	"	"	worse	worse
10	" 1 10	hr. 11c	"		345		345	10	"	"	no	same	same
10	" 1 10	" 11c	"		338		340		"	"	75	"	"
10	" 1 10	" 11c	"		86		86		"	"	"	"	"
9 1/2	" 1 10	"	"		345		345		"	"	no	"	"
9 1/2	" 1 30	"	"		338		338		"	dec. 20c day	"	worse	worse
9 1/2	" 1 20	"	"		344		344	10	"	neither	"	"	"
9 1/2	" 1 20	"	"		376		376	10	"	"	"	"	"
9 1/2	" 1 25	"	"		391		391	10	"	"	"	"	"
9 1/2	" 1 20	"	"		376		376	10	"	"	"	"	"
10	" 1 30	hr. 13c	"		270		270	10	"	"	"	"	"
9 1/2	" 1 35	"	"		318		318	10	"	"	"	"	"
9 1/2	" 1 35	"	"		423		423	10	"	neither	"	"	"
10	mo. 25 00	"	"		420		420		"	"	"	"	"
10	" 22 00	"	"		384		384		"	"	"	"	"
10	" 22 00	"	"		224		224		"	"	"	same	worse
10	" 22 00	"	"		384		384		"	neither	no	worse	worse
10	" 100 00	"	"		1,200		1,200		"	"	"	"	"
9 1/2	" 57 00	"	"		684		684		"	"	no	same	same
9 1/2	" 22 00	"	"		66		66		"	"	20	worse	worse
12	" 45 00	"	"		540		540		"	neither	"	"	"
12	day 1 50	"	"		470		470		"	"	"	same	same
12	" 1 25	hr. 12 1/2c	"		391		391	12	"	"	50	same	better
10	" 1 25	"	"		391		391		"	"	100	worse	"
9 1/2	" 1 20	"	"		563		563	10	inc. 45c day	"	no	worse	worse
9 1/2	" 1 20	"	"		31		31	10	neither	"	"	same	same
9 1/2	" 1 20	"	"		94		94	10	"	"	no	worse	worse
12	mile 02.9	hr. 27c	"		750		750	13	inc. 2c hr.†	inc. 10% increase	"	same	better
12	" 02.9	" 27c	"		900	25	925	13	" 2c "	"	"	worse	"
12	" 02.9	" 27c	"		850	20	870	13	" 2c "	"	"	same	"
6	" 02.9	" 27c	"		1,000	36	1,036	13	" 2c "	"	"	worse	"
6	mo. 100 00	"	"		1,200		1,200		neither	inc. \$16.67m	yes*	"	"
6	" 100 00	"	"		1,200		1,200		"	" 16.67 "	"	"	"
6	" 100 00	"	"		1,200		1,200		"	" 16.67 "	"	same	"
6	" 100 00	"	"		1,100		1,100		"	" 16.67 "	"	worse	"
12	mile 02.9	hr. 27c	"		900	25	925	12	inc. 2c hr.†	increase	no	"	"
6	mo. 100 00	"	"		1,200		1,200		neither	inc. \$16.67m	yes*	"	"
6	" 100 00	"	"		1,200		1,200		"	" 16.67 "	"	"	"
12	mile 02.9	hr. 27c	"		840	15	855	12	inc. 3c hr.†	inc. 10%	no	same	"
12	" 02.9	" 27c	"		860	10	870	12	" 2c "	" 10%	"	worse	"
12	" 02.9	" 27c	"		800		800	12	" 2c "	" 10%	150	"	"
12	" 02.9	" 27c	"		890	15	905	12	" 2c "	" 10%	200	"	"
12	" 02.9	" 27c	"		800	15	815	13	" 2c "	" 10%	no	same	"
10	day 2 15	yes*	"		660		660	10	neither	neither	"	worse	worse
10	" 2 30	hr. 20c	"		720		720	12	inc. 15c day	inc. 15c day	"	"	"
10	" 2 15	"	"		780		780	10	neither	" 25c "	"	"	"
10	mo. 60 00	"	"		720		720		"	neither	"	same	same
15	mile 02.9	hr. 27 1/4c	"		900	40	940	14	inc. \$2 mo.	inc. \$100 yr	150	"	better
15	" 02.9	" 27 1/4c	"		850	40	890	14	" 5 "	" 150 "	"	"	"
7	day 3 00	" 25c	"		1,000		1,000	10	" 5 "	" 17mo	300	better	"
12	" 3 50	" 25c	"		1,200	60	1,260	14	inc. 3 1/4c hr.†	" 120 yr.	300	worse	"
15	mile 02.9	" 27 1/4c	"		1,100	60	1,160	14	inc. \$60	" 150 "	200	same	"
14	mo. 90 00	" 27 1/4c	"		1,000	10	1,010	13	inc. \$5 mo.	" 20mo	yes*	"	"
15	mile 02.9	" 25c	"		1,080	60	1,140	14	increase	" 20 "	no	worse	worse

* Does not say what.

† Over-time.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
5870	Battle Creek..	Conductor..	G. T. R.	Am.	32	s	2	2			11½	13			Vacation
5871	"	"	"	"	40	m	2	2			12	12			"
5872	"	"	"	"	42	m	2	2			11	1			Vacation
5873	"	"	"	"	38	m	2	1			11	1			Pleasure
5874	"	"	"	"	52	"	3		7	7	11	1			Sickness
5875	"	"	"	"	36	"	3		7	7	12	10			"
5876	"	"	"	"	40	"	2	2	10	14	11	1			"
5877	"	"	"	"	49	"	3	3			12	10			"
5878	"	"	"	"	29	"	2	1			12				"
5879	"	"	"	Scotch	33	s	2	2			12			6	Vacation
5880	"	"	"	Am.	42	s	5	5			12				"
5881	"	"	"	"	27	m	2	2			11				Sickness
5882	"	"	"	"	40	"	2	3			11	1			Vacation
5883	"	"	"	"	24	s	2				11	1			"
5884	"	"	"	"	35	m	2	3			12		7		"
5885	"	"	"	"	41	"	2	1			11	1			Pleasure
5886	"	"	"	Can.	29	s	2	1			10	2			Lack of work
5887	"	"	"	"	35	m	2	1			12				"
5888	"	"	"	Am.	35	"	2	1			11	1			Sickness
5889	"	"	"	"	31	"	2	2			12				"
5890	"	"	"	"	37	"	2	3			12				"
5891	"	"	"	"	29	"	2	1			9	2			Lack of work
5892	"	"	"	"	34	"	2	1			10	2			"
5893	"	"	"	Can.	28	s					11	1			Vacation
5894	"	"	"	"	29	"					9	2			Lack of work
5895	"	"	"	Am.	25	"					11	1			Vacation
5896	"	"	"	"	42	m	2	2			11½	12			Pleasure
5897	"	"	"	"	36	"	2	1			11	1			"
5898	"	"	"	Scotch	33	"	2	3			11½	14			Vacation
5899	"	"	"	Am.	33	s					12				"
5900	"	"	"	"	30	m	2	2			11	1			Sickness
5901	"	"	"	"	34	"					12	10			Vacation
5902	"	"	"	"	33	"	2	2			12	10			"
5903	"	"	"	"	32	"	2	1			12	10			"
5904	"	"	"	"	35	"	2	1			11	1			Sickness
5905	"	"	"	Can.	30	s					11	1			Vacation
5906	"	"	"	Am.	30	"					11	1			"
5907	"	"	"	"	39	m	2	3			12	10			"
5908	"	"	"	"	26	"	2	2			11	1			"
5909	"	"	"	"	42	"	2	2			12	5			Sickness
5910	"	"	"	"	25	s					11	1			Vacation
5911	"	"	"	"	49	m	2	3			12	10			Sickness
5912	"	"	"	"	35	"	2	2			11½	14			"
5913	"	"	"	"	32	s					11	1			Vacation
5914	"	"	"	"	36	m	2	1			12	10			"
5915	"	"	"	"	38	"	2	4			12				"
5916	"	"	"	"	27	s					12	10			Sickness
5917	"	"	"	"	34	m	2	4			11½	15			Vacation
5918	"	"	"	Can.	35	"	2	5			12				"
5919	"	"	"	Am.	30	s					10	2			Lack of work
5920	"	"	"	"	37	m	2	2			11	1			Lay off
5921	"	"	"	"	35	"	2	3			12	10			Vacation
5922	"	"	"	"	34	"	2	2			11½	14			"
5923	"	"	"	"	42	"	2	3			9				Lack of work
5924	"	"	"	"	40	"	2	2			12	3			"
5925	"	"	"	"	31	"	2	2			11	1			Vacation
5926	Detroit	"	"	"	37	"	2	2			12				"
5927	"	"	"	Can.	39	"	2	3			12				"
5928	"	"	"	Am.	42	"	2	3			12				"
5929	Port Huron..	Engineer	"	Can.	38	"	2	3			11	30			†
5930	"	"	"	Irish	41	"	2	4			12				"
5931	"	"	"	Am.	50	"	2	1			12				"
5932	"	"	"	"	38	"	2	1	9	9	12				"
5933	"	"	"	Scotch	45	"	2	5	9	11		30			†
5934	"	"	"	Am.	30	"	2	1	9	9	11	30			Sickness
5935	Jackson	"	"	"	48	"	2	3	12	12	12				"

† Engine being repaired.

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Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
15	mile	\$0 02.9	hr 27 1/4	mo.	\$1,000	\$85	\$1,085	14	inc. \$5 mo.	inc. \$20 mo.	no	same	better
7	day	\$ 00	27 1/4	"	889	889	889	10	" 5 "	" 17 "	\$325	better	"
7	"	3 00	27 1/4	"	858	858	858	10	neither	" 17 "	"	same	"
15	mile	02.9	hr 27 1/4	"	1,000	60	1,060	14	inc. \$25 mo.	" 100 yr.	no	worse	worse
7	mo.	100 00	27 1/4	"	1,100	1,100	1,100	7	neither	" 17 "	400	"	"
12	mile	03	hr 25c	"	1,200	1,200	1,200	14	"	" 10 "	300	"	"
14	"	03	25c	"	1,100	100	1,200	14	"	" 10 "	no	"	"
14	"	02.9	27 1/4	"	1,150	90	1,240	14	inc. \$5 mo.	" 10% "	100	better	same
7	day	3 00	25c	"	1,190	60	1,250	10	" 5 "	" 20 mo.	\$50	same	better
7	"	3 00	25c	"	960	15	965	10	" 5 "	" 17 "	no	"	"
15	mile	03.9	27 1/4	"	900	25	925	10	" 5 "	" 17 "	150	yes*	same
15	"	02.9	27 1/4	"	940	60	1,000	14	" 5 "	" 150 yr.	200	same	"
15	"	02.9	27 1/4	"	1,000	65	1,065	14	" 5 "	" 150 "	no	better	"
14	"	02.9	27 1/4	"	1,000	50	1,050	14	" 5 "	" 20 mo.	no	same	"
7	day	3 00	27 1/4	"	1,050	65	1,115	14	" 5 "	" 20 "	225	same	"
7	"	3 00	27 1/4	"	858	858	858	10	neither	" 17 "	200	"	"
15	mile	01.9	hr 17 1/4	"	875	25	875	10	inc. \$15 mo.	" 17 "	no	"	"
14	mo.	90 00	27 1/4	"	575	15	600	14	" 15 "	" 100 yr.	125	"	"
12	mile	02.9	27 1/4	"	990	15	1,005	13	increase	" 20 mo.	150	"	"
15	day	3 50	27 1/4	"	1,050	50	1,100	14	inc. \$25 mo.	" 150 yr.	225	worse	"
15	mile	02.9	hr 27 1/4	"	1,175	50	1,225	14	neither	" 180 "	no	same	"
7	day	3 00	27 1/4	"	700	25	725	14	inc. \$25 mo.	" 100 "	100	"	"
15	mile	03.9	hr 27 1/4	"	900	900	900	10	inc. \$25 mo.	" 17 mo.	100	better	same
15	"	02.9	27 1/4	"	950	50	1,000	14	" 5 "	" 100 yr.	no	same	"
15	"	02.9	27 1/4	"	800	50	850	14	" 5 "	" 150 "	yes*	better	same
7	day	3 30	25c	"	1,075	1,075	1,075	14	" 5 "	" 20 mo.	325	same	better
7	"	3 00	25c	"	908	908	908	10	neither	" 17 "	300	"	"
7	"	3 00	hr 25c	"	858	858	858	10	inc. \$5 mo.	" 17 "	no	better	"
15	mile	02.9	27 1/4	"	897	10	907	10	" 5 "	" 17 "	250	worse	worse
15	"	02.9	27 1/4	"	937	25	964	10	" 25 "	" 100 yr.	150	same	better
15	"	02.9	27 1/4	"	950	50	1,000	14	" 5 "	" 20 mo.	200	same	same
7	day	3 00	27 1/4	"	1,025	70	1,095	14	" 5 "	" 240 yr.	308	better	better
7	"	3 00	27 1/4	"	1,050	65	1,115	14	neither	" 17 mo.	100	"	"
10	mile	02.9	hr 27 1/4	"	908	909	909	10	" 17 "	" 170 "	150	"	"
7	day	3 00	27 1/4	"	858	858	858	10	" 20 "	" 200 "	150	better	"
14	mile	02.9	hr 27 1/4	"	858	858	858	10	inc. \$5 mo.	inc. \$100 yr.	no	same	"
7	day	3 00	25c	"	1,000	60	1,060	14	" 5 "	" 20 mo.	300	"	"
15	mile	02.9	27 1/4	"	908	15	924	10	" 5 "	" 20 "	300	"	"
15	day	3 00	27 1/4	"	925	40	965	14	inc. \$25 mo.	" 20 "	300	better	same
15	mo.	100 00	27 1/4	"	1,150	75	1,225	14	" 5 "	" 20 "	300	same	"
14	mile	03.9	hr 27 1/4	"	1,100	75	1,175	14	" 5 "	" 20 "	300	better	same
7	day	3 00	27 1/4	"	1,175	90	1,265	14	" 5 "	" 20 "	300	same	better
15	mile	02.9	hr 27 1/4	"	1,200	100	1,300	14	neither	" 17 "	150	"	"
7	day	3 00	27 1/4	"	858	858	858	10	inc. \$25 mo.	" 100 yr.	no	"	"
15	mile	02.9	27 1/4	"	908	40	990	14	" 25 "	" 100 "	300	"	"
15	"	02.9	27 1/4	"	1,000	65	1,065	14	" 5 "	" 17 mo.	225	"	"
7	day	3 00	25c	"	891	25	916	10	" 17 "	" 300 "	225	"	"
15	mile	02.9	27 1/4	"	1,000	1,000	1,000	14	no	" 200 "	200	better	better
7	day	3 00	25c	"	600	600	600	10	inc. \$17 mo.	inc. \$100 yr.	250	same	"
15	mile	02.9	27 1/4	"	900	20	920	10	" 5 "	" 17 mo.	100	"	"
15	"	02.9	27 1/4	"	1,000	55	1,055	14	inc. \$35 mo.	" 100 yr.	250	"	"
15	day	3 00	25c	"	1,000	50	1,050	14	" 5 "	" 17 mo.	100	"	"
15	"	3 00	25c	"	750	750	750	10	" 5 "	" 17 "	150	"	"
15	mile	02.9	27 1/4	"	925	25	950	14	" 25 "	" 100 yr.	100	worse	worse
12	"	95 00	27 1/4	"	925	50	975	14	neither	" 10% "	800	same	same
9	mile	03.4	27 1/4	"	1,080	1,080	1,080	10	" 5 "	yes*	worse	better	"
9	"	03.4	27 1/4	"	1,500	20	1,520	10	" 5 "	no	"	"	"
9	"	03.4	27 1/4	"	1,500	20	1,520	10	" 5 "	yes*	"	"	"
9	"	03.4	27 1/4	"	1,500	1,500	1,500	10	" 5 "	yes*	"	"	"
9	"	03.4	27 1/4	"	1,375	1,375	1,375	10	" 5 "	no	"	"	"
9	"	03.4	27 1/4	"	1,375	1,375	1,375	10	neither	inc. 5% "	200	same	same
11	mo.	160 00	hr. 40c	"	1,920	1,920	1,920	10	neither	neither	200	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5436	Jackson	Engineer	G. T. R.	Am.	39	m	2	2	12	12	11½	1	15	
5437	Battle Creek	"	"	"	38	"	2	2	12	12	11	1	1	Vacation
5438	"	"	"	"	42	"	2	2	12	12	12			
5439	"	"	"	"	40	"	2	2	10	10	12			
5440	"	"	"	"	38	"	2	2	12	12	12		10	Pleasure.
5441	"	"	"	Can.	33	"	2	2	12	12	10	2	10	Sick & vacat'n
5442	"	"	"	Am.	37	"	2	2	12	12	12	10	10	Sickness
5443	"	"	"	"	39	"	2	2	12	12	12			
5444	"	"	"	Can.	31	"	2	2	12	12	12			
5445	"	"	"	Am.	41	"	2	2	12	12	11	1	1	
5446	"	"	"	"	35	"	2	2	12	12	11	1	1	Laid off
5447	"	"	"	Can.	39	"	2	2	12	12	11½	1	15	
5448	"	"	"	Am.	45	"	2	2	12	12	11	1	1	Sick in fam'y
5449	"	"	"	"	36	"	2	2	12	12	11½	1	15	Vacation
5450	"	"	"	Irish	45	"	2	2	12	12	12			
5451	"	"	"	Can.	42	"	2	2	10	10	10	2	2	Sickness
5452	"	"	"	"	43	"	2	2	12	12	12			
5453	"	"	"	Am.	38	"	2	2	12	12	12			
5454	"	"	"	Irish	40	"	2	2	12	12	11	1	1	Sick & vacat'n
5455	"	"	"	Am.	35	"	2	2	12	12	12			Vacation
5456	"	"	"	"	42	"	2	2	12	12	11½	20	20	Sick & vacat'n
5457	"	"	"	Irish	32	"	2	2	10	10	11	1	1	Vacation
5458	"	"	"	Am.	32	"	2	2	12	12	12			
5459	"	"	"	"	37	"	2	2	12	12	12			
5460	Pontiac	"	"	Can.	45	"	2	2	12	12	12			
5461	Detroit	"	"	"	41	s	2	2	12	12	12			
5462	"	"	"	Am.	32	m	2	2	12	12	12			
5463	Grand Haven	"	"	"	30	"	2	1	11	11	12		10	Sickness
5464	Grand Rapids	"	"	"	60	s	2	2	12	12	11	1	1	
5465	Grand Haven	"	"	Irish	47	m	2	4	12	12	12			
5466	"	"	"	Can.	42	"	2	2	12	12	12			
5467	Detroit	"	"	Am.	56	"	2	2	12	12	10	2	2	Sickness
5468	Owosso	"	"	"	42	"	2	2	12	12	12			
5469	Grand Rapids	"	"	Can.	50	"	2	1	12	12	12			
5470	"	"	"	Am.	32	"	2	2	10	10	12			
5471	"	"	"	"	45	"	2	1	8	8	12			
5472	West Bay City	"	"	"	40	"	2	4	12	12	12			
5473	"	"	"	"	25	s	2	2	11	11	12			
5474	"	"	"	Irish	39	m	2	4	10	10	12			
5475	"	"	"	"	30	m	2	2	10	10	12			
5476	"	"	"	Am.	29	"	2	1	11	11	12			
5477	Muskegon	"	"	"	35	"	2	2	11	11	12			
5478	"	"	"	"	37	"	2	2	10	10	12			
5479	"	"	"	Can.	29	s	2	2	10	10	12			
5480	Port Huron	Fireman	"	Am.	30	m	2	2	9	9	11½	20	20	Repair engine
5481	"	"	"	"	26	"	2	2	9	9	12			
5482	"	"	"	"	22	s	2	2	11	11	11	1	1	Vacation
5483	Owosso	"	"	"	22	"	2	2	9	9	12	3	3	Rest
5484	"	"	"	"	22	"	2	2	8	8	12	4	4	
5485	Battle Creek	"	"	"	24	"	2	2	12	12	12		10	Sickness
5486	"	"	"	"	29	"	2	2	10	10	11	1	1	Lack of work
5487	"	"	"	"	24	m	2	1	14	14	11	1	1	Laid off
5488	Jackson	"	"	"	31	"	2	2	12	12	12			
5489	"	"	"	"	27	"	2	1	12	12	12			
5490	Battle Creek	"	"	"	30	s	2	2	12	12	12			
5491	"	"	"	"	23	"	2	2	12	12	12		10	Vacation
5492	"	"	"	"	26	"	2	2	12	12	11	1	1	Sickness
5493	"	"	"	"	29	"	2	2	12	12	11	1	1	Vacation
5494	"	"	"	"	29	"	2	2	12	12	12			
5495	"	"	"	"	30	"	2	2	12	12	12			
5496	"	"	"	"	30	"	2	2	12	12	12		10	
5497	"	"	"	"	30	"	2	2	12	12	12			
5498	"	"	"	Can.	27	"	2	2	10	10	12			
5499	"	"	"	Eng.	30	m	2	1	11½	11½	12			
5500	"	"	"	Am.	29	s	2	2	11	11	12	1	1	Sickness
5501	"	"	"	Can.	27	m	2	2	10	10	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
12	mo. \$140 00	35c hr.	mo.	\$1,680		\$1,680		neither	neither	\$200	same	same	
15	mile 08.7	30c "	"	1,100	\$150	1,250	13	inc. \$10 mo.	inc. \$100 yr.	450	"	better	
15		08.7	"	1,200	150	1,350	13	" 10 "	" 100 "	600	"	"	
20													
15	mile 08.7	30c hr.	"	1,050	75	1,125	13	inc. \$10 mo.	inc. \$50 yr.	150	same	better	
15	" 08.7	"	"	1,000	75	1,075	13	" 10 "	" 50 "	150	"	"	
15	" 08.7	30c hr.	"	1,150	115	1,265	13	" 10 "	" 60 "	450	"	"	
15	" 08.7	"	"	1,150	125	1,275	13	" 10 "	" 100 "	500	"	"	
15	" 08.7	"	"	1,200	160	1,360	13	" 10 "	" 120 "	375	"	"	
15	" 08.7	"	"	1,100	100	1,200	13	" 10 "	" 50 "	400	"	"	
15	" 08.7	"	"	1,100	90	1,190	13			yes*	"	"	
15	" 08.7	"	"	1,150	110	1,260	13	inc. \$10 mo.	inc. \$50 yr.	300	"	"	
15	" 08.7	"	"	1,100	75	1,175	13			300	"	"	
15	" 08.7	"	"	1,125	80	1,205	13	inc. \$10 mo.	increase	200	better	"	
15	" 08.7	"	"	1,250	125	1,375	13	" 10 "	inc. \$50 yr.	350	"	"	
15	" 08.7	"	"	1,025	75	1,100	14	" 10 "	" 50 "	200	"	"	
15	" 08.7	"	"	1,150	125	1,275	13	increase	increase	350	same	"	
15	" 08.7	"	"	1,150	125	1,275	13	inc. \$10 mo.	inc. \$120 yr.	200	"	"	
15	" 08.7	"	"	1,025	160	1,185	13	" 10 "	" 120 "	200	"	same	
15	" 08.7	"	"	1,150	80	1,230	13	" 10 "	" 50 "	200	better	same	
10	" 08.7	"	"	1,000	75	1,075	13			250	"	"	
18	" 08.7	"	"	1,050	25	1,075	13	neither	inc. \$50 yr.	300	* same	same	
14	" 08.7	"	"	1,050	75	1,125	13	inc. \$5 mo.	" 50 "	50	"	better	
14	" 08.7	"	"	1,200		1,200		neither	" 1/2 c mi.	no	"	"	
12	mo. 100 00			1,200		1,200	12		neither	no	800	same	
12	" 78 00	yes*		936		936	12		inc. 25c day	no	"	better	
12	" 80 00			960		960			neither	no	"	same	
11	mile 08 1/2			738		738				150	"	"	
9	day 2 75	30c hr.		990		990				200	"	"	
13	mile 08 1/2	23c "		864		864	12		inc. 25c day	yes*	worse	worse	
18		35c "							2 1/2 "	200	same	same	
12	" 2 40			1,200		1,200			neither	200	worse	worse	
10	" 3 00			748		748	10			100	"	"	
12	" 3 50	yes*		939		939	12 1/2		inc. 50c day	200	same	same	
10	" 2 75			1,100	100	1,200			neither	200	worse	worse	
8	mile 08 1/2			900	200	1,100	10 1/2			yes*	same	same	
12	" 08 1/2						12						
11	" 08 1/2						12			yes*	worse	worse	
10	day 3 00			939		939			inc. 10c	yes*	"	"	
10	" 3 00	yes*		939		939	10		" 10c	no	"	"	
11	" 3 00			949		939			neither	no	"	"	
11	mo. 70 00			840		840				no	same	same	
10	" 45 00			1,020		1,020				yes*	"	"	
10	" 85 00			1,020		1,020				yes*	"	"	
9	mile 01 1/2	17 1/2c hr.		800		800	10		inc. 3-8c mi	no	worse	better	
9	" 01 1/2	"		800		800	10		" 3-8c	"	better	"	
14	" 02	"		720	20	740	13	inc. 1 1/2c mile	increase	"	"	"	
12	day 2 10	yes*		578		578	13	neither		"	worse	worse	
12	" 2 10			432		432	12			"	"	"	
12	mile 01 1/2	13c hr.		1,000		1,000	14		neither	"	"	"	
14	day 2 00			572		572	13	inc. 5c	inc. 1/2c mi	50	better	"	
14	mile 01 1/2	17c hr.		650		650	14	neither	inc. 10c	no	same	better	
12	mo. 88 00			1,056		1,056			increase	yes*	same	same	
12	" 75 00	30c hr.		900		900			neither	no	"	better	
7	mile 01.9	17 1/2c hr.		950	85	985	8	inc. \$5 mo.	inc. \$75 yr.	150	"	"	
7	" 01.9	"		900	85	935		" 5 "	" 75 "	150	"	better	
7	" 01.9	"		850	80	880	8	" 5 "	" 75 "	no	"	"	
7	" 01.9	"		800		800	8	" 5 "	" 75 "	"	"	"	
7	" 01.9	"		900	25	925	8	" 5 "	" 75 "	"	worse	worse	
7	" 02	"		840	25	865	8	" 5 "	" 75 "	"	same	better	
7	" 01.9	"		800	25	825	8		" 75 "	150	"	"	
7	" 01.9	"		900	20	920	8	inc. \$5 mo.	" 75 "	225	"	"	
10	" 01.9	"		840	25	865	8	neither	" 75 "	no	better	"	
9	" 02			800		800	14	"	" 80 "	no	same	"	
9	" 02	17c hr.		825		825	12	"	" 1/2 c mi	200	"	"	
10	" 02	"		780		780	13	increase	increase	200	"	"	

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5502	Battle Creek..	Fireman....	G. T. R.	Can....	26	m			10	10	12			
5503	" "	" "	" "	Am....	33	"					12			
5504	Grand Rapids..	" "	" "	" "	27	"					12			
5505	Grand Haven..	" "	" "	" "	25	"			12	12	12			
5506	Detroit.....	" "	" "	" "	31	"	1				11			
5507	" "	" "	" "	" "	32	"	1				12			
5508	Owosso.....	" "	" "	" "	28	"	1				12			
5509	Grand Rapids..	" "	" "	" "	30	s					12			
5510	" "	" "	" "	" "	23	"					12			
5511	" "	" "	" "	Irish..	60	m		7	12	12	12			
5512	" "	" "	" "	Am....	29	s			8	8	12			
5513	Durand.....	" "	" "	" "	29	m	2				12			
5514	West Bay City	" "	" "	Am....	23	"			10	10	12			
5515	" "	" "	" "	" "	26	"	2		10	10	12			
5516	" "	" "	" "	" "	27	"	1		10	10	12			
5517	" "	" "	" "	Can....	25	"			11	11	12			
5518	Port Huron....	Brakeman..	" "	" "	26	"	1				11			Vacation.
5519	" "	" "	" "	Am....	30	"	2				10			Sickness.
5520	" "	" "	" "	" "	29	"	1				11			
5521	" "	" "	" "	" "	23	s					11			Vacation.
5522	" "	" "	" "	" "	28	m	1				11			Sickness.
5523	" "	" "	" "	" "	26	s			6	6 11/2			15	
5524	" "	" "	" "	" "	27	m					11			Sick. and va.
5525	" "	" "	" "	Can....	30	"	2		10	10 11/2			15	Sickness.
5526	" "	" "	" "	Am....	22	s			6	6 11			1	Lack of work.
5527	" "	" "	" "	" "	33	m	3		6	6 12				
5528	" "	" "	" "	" "	35	"			6	6 12				
5529	" "	" "	" "	" "	32	s			6	6 12				
5530	" "	" "	" "	Can....	28	m	1		6	6 12				
5531	" "	" "	" "	Am....	29	"					12		6	Sickness.
5532	" "	" "	" "	Can....	35	"	2				12			
5533	" "	" "	" "	Am....	35	"	2				12		10	Sickness.
5534	" "	" "	" "	Irish..	24	s					11			Lack of work.
5535	" "	" "	" "	Am....	28	m	1				11		1	Resting.
5536	Detroit.....	" "	" "	" "	20	"			10	10 12				
5537	Jackson.....	" "	" "	" "	39	"	2		12	12 12				
5538	Fort Gratiot..	" "	" "	" "	26	s					10		2	Lack of work.
5539	" "	" "	" "	" "	25	"					12			
5540	" "	" "	" "	French	24	m			7	7 12				
5541	Lenox.....	" "	" "	Am....	25	"	1		10	10 12				
5542	Port Huron....	" "	" "	Scotch	32	s			10	10 12				
5543	Richmond....	" "	" "	Am....	23	m	1		10	10 12				
5544	Fort Gratiot..	" "	" "	" "	29	"	2		10	10 12				
5545	Port Huron....	" "	" "	" "	21	"	2	3	10	10 8			4	Lack of work.
5546	Pontiac.....	" "	" "	" "	34	s			10	11 9			3	Injury.
5547	" "	" "	" "	" "	32	m	2		12	12 12			3	Sickness.
5548	" "	" "	" "	" "	26	"			12	12				
5549	Battle Creek..	" "	" "	Ger....	39	"	2	4			12			
5550	" "	" "	" "	Am....	38	s					12			
5551	" "	" "	" "	" "	30	m	2	2			12			
5552	" "	" "	" "	Can....	25	s					11		1	
5553	" "	" "	" "	Am....	35	m					9		3	Sickness.
5554	" "	" "	" "	" "	23	s					12			
5555	" "	" "	" "	" "	36	m	2				11		1	Vacation.
5556	" "	" "	" "	" "	35	s					11		1	Sickness.
5557	" "	" "	" "	" "	25	m	3				11 1/2		14	
5558	" "	" "	" "	" "	25	s	4				12			
5559	" "	" "	" "	" "	29	"					12			
5560	" "	" "	" "	" "	32	m	2				11		1	Vacation.
5561	" "	" "	" "	" "	22	"					12			
5562	" "	" "	" "	Can....	28	m	2				12			
5563	" "	" "	" "	Am....	28	s					10		2	Sick. and va.
5564	" "	" "	" "	Can....	25	"					12			
5565	" "	" "	" "	Am....	30	"					12			
5566	" "	" "	" "	" "	33	"					11		1	Sickness.
5567	" "	" "	" "	" "	26	"					10		2	Sick. and va.

Railway employes.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per		Regular time.	Overtime.	Total.						
10	mile \$0 02	hr. 17c	mo.	\$840		\$840	18½	inc. \$5 100 mi.	increase	no	better	better
9	" 02	hr. 15c	"	750		750		increase	"	"	same	same
12	day \$1 80	" 15c	"	563		563	12	neither	neither	\$50	worse	worse
12	mile 01.9	" 15c	"	603		603		increase	increase	100	"	"
12	" 01½	"	"	840		840		neither	neither	"	"	"
10	day 1 75	yes*	"	546		546	10	"	"	no	worse	worse
9	mile 02	"	"	800		800	"	"	"	300	same	same
9	" 01.9	"	"	750		750	"	"	"	250	"	"
12	day 1 50	yes*	"	480		480	12½	"	"	no	worse	worse
9	" 1 65	"	"	500		500	10½	"	"	25	"	"
12	mile 01½	hr. 15c	"	600		600	12	"	"	no	"	"
12	" 01.9	"	"	750		750	"	"	inc. 10%	"	"	worse
10	" 01.9	yes*	"	750		750	10	"	neither	"	"	"
10	" 01.9	"	"	750		750	10	"	"	"	"	"
11	day 1 75	"	"	543		543	"	"	"	no	"	"
12	mile 01.9	hr. 17c	"	680	\$18	678	13	"	+	"	"	better
12	" 01.9	" 17c	"	600	12	612	13	"	+	"	"	"
12	" 01.9	" 17c	"	700	20	720	13	"	+	"	"	"
12	" 01.9	" 17c	"	600	15	615	13	"	+	"	same	"
12	" 01.9	" 17c	"	700	20	720	13	"	+	"	worse	"
12	mo. 50 00	"	"	575		575	"	"	inc. \$5 mo.	"	same	"
10	mile 01.9	hr. 17c	"	720	15	735	13	"	increase	"	worse	"
12	mo. 60 00	" 17½c	"	690		690	11	increase.	inc. \$10 mo.	"	"	"
6	" 50 00	"	"	550		550	"	neither	" 5 "	"	same	"
6	" 50 00	"	"	600		600	"	"	" 5 "	"	worse	"
6	" 50 00	"	"	600		600	"	"	" 5 "	120	"	"
6	" 50 00	"	"	600		600	"	"	" 5 "	100	same	"
6	" 50 00	"	"	600		600	"	"	" 5 "	yes*	worse	"
6	" 50 00	"	"	590		590	"	"	" 5 "	100	"	"
6	" 50 00	"	"	600		600	"	"	" 5 "	no	worse	better
6	" 50 00	"	"	553		553	"	"	" 5 "	"	"	"
6	" 50 00	"	"	550		550	"	"	" 5 "	"	same	"
9	" 60 80	hr 17½c	"	680		680	11	inc. ½c hr. †	" 10 "	"	"	"
12	" 65 00	yes*	"	780		780	10	neither	dec. 5 "	"	"	worse
12	" 60 00	hr 20c	"	720		720	"	"	neither	"	worse	"
14	mile 01.95	" 17c	"	880	20	870	12	"	inc. \$10 mo.	75	"	"
14	" 01.95	" 17c	"	780	24	804	13	"	" 10 "	100	"	"
10	day 1 50	"	"	600		600	"	"	" 35c day	no	same	same
10	" 1 55	"	"	540		540	10	inc. 5c day	" 5c "	"	worse	worse
10	" 1 55	"	"	540		540	10	" 5c "	" 5c "	"	"	"
10	" 1 50	"	"	600		600	"	" 15c "	increase	"	"	"
10	" 1 60	"	"	650		650	10	" 10c "	inc. 10c day	100	"	"
10	" 1 50	"	"	450		450	"	" 25c "	increase	no	"	"
10½	mo. 50 00	hr. 15c	"	450	66	515	12	inc. 20%	inc. 20%	"	"	"
12	" 50 00	"	"	720	50	770	12	inc 10c day	inc. 10c day	"	same	same
12	" 50 00	m 21-8c	"	600	50	650	"	neither	"	"	"	"
15	mile 01.95	hr 17½c	"	700	85	785	14	inc. \$5 mo.	inc. \$10 mo.	"	"	"
15	mo. 50 00	"	"	600		600	"	neither	" 5 "	"	worse	"
14	mile 01.95	hr 17½c	"	750	80	780	14	inc. \$5 mo.	inc. 20%	100	same	better
14	" 01.95	" 17½c	"	675	25	700	14	" 3 "	inc. \$10 mo.	150	better	"
15	mo. 50 00	" 17½c	"	520	20	540	14	" 10 "	inc. 3%	no	"	"
15	mile 01.95	" 17½c	"	680	40	720	14	" 15 "	inc. \$125 yr.	"	same	"
15	" 01.95	" 17½c	"	700	25	725	14	" 5 "	inc. \$10 mo.	100	better	"
15	" 01.95	" 17½c	"	680	23	703	14	" 15 "	inc. \$180 yr.	125	worse	"
15	" 01.95	"	"	690	80	720	14	" 15 "	" 100 "	no	same	"
15	" 01.95	"	"	690	35	725	14	" 15 "	" 180 "	"	"	"
7	mo. 50 00	"	"	600		600	"	neither	" \$5 mo.	"	"	"
7	" 50 00	"	"	530		530	"	"	" 5 "	"	worse	worse
15	mile 01.95	hr 17½c	"	650	40	690	14	inc. \$15 mo	" 110 yr.	"	same	better
15	" 01.95	" 17½c	"	695	50	745	14	" 15 "	" 115 "	"	"	same
15	" 01.95	" 17½c	"	600	30	630	14	" 5 "	inc. \$10 mo.	175	"	better
15	" 01.95	" 17½c	"	800	40	840	14	" 20 "	"	"	"	"
7	mo. 50 00	"	"	600		600	"	neither	" \$5 mo.	"	"	"
15	mile 01.95	hr 17½c	"	660	30	710	14	inc. \$15 mo.	" 180 yr.	"	"	"
15	" 01.95	" 17½c	"	600	20	620	14	" 5 "	" 20 "	"	"	"

† Does not say what.

* Increase 32c per 100 miles.

‡ Over-time.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroads where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5565	Battle Creek	Brakeman	G. T. R.	Am.	28	s					12		8	Pleasure
5569	"	"	"	"	29	s					11	1		Vacation
5570	"	"	"	"	27	s					10	2		Lack of work
5571	"	"	"	"	30	m	2	1			10	2		"
5572	"	"	"	"	31	m	2				12			Sickness
5573	"	"	"	"	31	m	2	1			11	1		"
5574	"	"	"	"	34	s	2	3			12			"
5575	"	"	"	"	29	s	2	3			11½	12		Vacation
5576	"	"	"	"	31	s	2	2			11½	15		Sickness
5577	"	"	"	"	28	s	2	2			11½	13		"
5578	"	"	"	"	30	s					12	10		Sickness
5579	"	"	"	"	23	s					11	1		Vacation
5580	"	"	"	Can.	25	s					12	1		Sickness
5581	"	"	"	Am.	30	m	2	2			12			"
5582	"	"	"	"	28	s					11	1		Vacation
5583	"	"	"	"	26	m	2	1			12			Sickness
5584	"	"	"	"	32	s					11½	15		Vacation
5585	"	"	"	"	29	s					11	1		"
5586	"	"	"	"	29	s					11	1		"
5587	"	"	"	"	23	m	2	3			12	10		"
5588	"	"	"	"	23	s					12			"
5589	"	"	"	"	25	s					12			"
5590	"	"	"	Irish	29	s					12			"
5591	"	"	"	Can.	34	m	2	2			9	3		Sickness
5592	"	"	"	Am.	32	s	2	1	10	10	10	2		Lack of work
5593	"	"	"	"	23	s					10			"
5594	"	"	"	"	23	s					11	1		"
5595	"	"	"	"	29	m	2	5			12			"
5596	"	"	"	"	29	s					11	1		Sickness
5597	"	"	"	Can.	32	s					12			"
5598	Detroit	"	"	Am.	25	m	2	1			12			"
5599	"	"	"	"	32	s	2	1			12	1		Sickness
5600	Owosso	"	"	"	34	s	2				12			"
5601	Pontiac	"	"	"	23	s			10	10	12	10		Sickness
5602	Port Huron	Baggage-man	"	"	24	s			11	11	11½	15		"
5603	"	"	"	Can.	40	m	2	1			11½	15		"
5604	"	"	"	Am.	34	s	2				11	1		Lack of work
5605	"	"	"	Can.	36	s	2	3			12			"
5606	"	"	"	Am.	34	s	2	2			11	1		Sickness
5607	"	"	"	"	35	s	2	1			12			"
5608	"	"	"	Can.	33	s	2	3			11½	15		Sickness
5609	"	"	"	Am.	27	s	2				11½	15		Vacation
5610	"	"	"	"	43	s	3				10	2		Sickness
5611	"	"	"	Ger.	33	s	2	5			12			"
5612	"	"	"	Am.	23	s	2				11½	15		Sickness
5613	"	"	"	"	30	s	2	1			12			"
5614	"	"	"	"	40	s	2				12			"
5615	"	"	"	"	33	s	2				11	1		Sickness
5616	"	"	"	"	36	s	2				12			"
5617	"	"	"	"	33	s	2	3			12			"
5618	Pontiac	"	"	"	33	s	2	4	12	12	12			"
5619	Detroit	"	"	"	47	s	2				12			"
5620	Pontiac	"	"	Eng.	54	s	3	8	12	12	12			"
5621	Bay City	"	"	Am.	21	s	3		10	12	12			"
5622	Capac	Agent	"	"	25	s			12	12	12			"
5623	Stockbridge	"	"	Eng.	29	m	2		12	12	12			"
5624	Marcellus	"	"	Am.	33	s	2	5	10	10	12			"
5625	"	"	"	"	24	s			12	12	11	1		Vacation
5626	Carson City	"	"	"	24	s			10	10	12			"
5627	Cassopolis	"	"	"	37	m	2	2	12	12	11½	15		Vacation
5628	New Haven	"	"	Can.	37	s	2	2	12	12	12			"
5629	Schoolcraft	"	"	Am.	30	s	2	2	10	11	11	1		Sickness
5630	Climax	"	"	"	35	s	2	3	12	12	11	1		Vacation
5631	Mt. Clemens	"	"	"	22	s	2	1	12	12	12			"
5632	Emmet	"	"	"	26	s	2	1	12	12	12			"
5633	Armada	"	"	"	66	s	3		12	12	12			"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
14	mile	\$0 01.95	hr.17½c	mo.	\$750	\$20	\$770	14					
15	"	01.95	"	"	690	85	725	14	inc. \$15 mo.	inc. \$180 yr.	\$150	same	better
10	"	01.95	"	"	600	25	625	10	increase	" 180 "	no	better	same
10	"	01.95	"	"	625	20	645	14	inc. \$15 mo.	" 180 "	no	same	better
7	mo.	50 00	"	"	600		600		neither	" 5 mo.	"	worse	same
15	mile	01.95	hr.17½c	"	700	20	720	14	inc. \$5 mo.	" 20% "	"	same	better
15	mo.	50 00	"	"	600		600						
15	mile	01.95	hr.17½c	mo.	700	40	740	14	increase	inc. 20% "	100	better	"
15	"	01.95	"	"	625		625	14	inc. \$5 mo.	inc. \$180 yr.	no	same	"
15	"	01.95	"	"	750	20	770	14	" 5 "	" 20% "	"	"	"
7	mo.	50 00	"	"	550		550		neither	" \$5 mo.	"	"	"
7	"	50 00	"	"	600		600			" 5 "	"	same	better
15	mile	01.95	hr.17½c	"	680		680	14	inc. \$5 mo.	inc. 20% "	"	"	"
15	"	01.95	"	"	750	30	780	14	" 5 "	" 20% "	100	"	"
15	"	01.95	"	"	725	25	750	14	" 15 "	" 20% "	no	"	"
15	"	01.95	"	"	680	25	705	14	" 15 "	" \$180 yr.	100	"	"
15	"	01.9	"	"	725	80	755	14	" 5 "	" 20% "	"	"	"
15	"	01.9	"	"	750	35	785	14	" 5 "	" 20% "	"	"	"
15	"	01.9	"	"	800	25	825	14	" 5 "	" \$180 yr.	100	"	"
15	mo.	50 00	"	"	600		600		neither	" 5 mo.	no	"	"
15	mile	01.9	hr.17½c	"	725	25	750	14	inc. \$5 mo.	inc. \$5 mo.	150	"	"
10	mo.	50 00	"	"	450		450		neither	" 20% "	no	"	"
10	mile	01.9	hr.17½c	"	750	20	770	14	inc. \$5 mo.	" 20% "	"	"	"
15	mo.	50 00	"	"	500		500		neither	" \$5 mo.	"	same	better
15	mile	01.9	hr.17½c	"	550		550		" 5 "	" 180 yr.	100	"	"
15	"	01.9	"	"	800	35	835	14	inc. \$5 mo.	" 20% "	150	"	"
15	"	01.9	"	"	700	25	725	14	" 5 "	" 20% "	150	"	"
8	mo.	47 00	"	"	561		561		neither	" 20% "	no	"	"
12	"	47 00	"	"	517		517			neither	"	worse	worse
10	"	40 00	"	"	480		480		"	"	"	same	same
10	"	62 00	"	"	744	25	769	10	"	"	"	worse	worse
11	"	60 00	"	"	680		680		"	inc. \$5 mo.	no	same	better
12	"	60 00	"	"	680		680		"	" 5 "	75	worse	"
12	"	60 00	"	"	680		680		"	" 5 "	no	"	"
11	"	60 00	"	"	720		720		"	" 5 "	"	same	"
11	"	60 00	"	"	680		680		"	" 5 "	150	"	"
10	"	60 00	"	"	690		690		"	" 5 "	no	worse	"
10	"	60 00	"	"	690		690		"	" 5 "	100	"	"
10	"	60 00	"	"	600		600		"	" 5 "	no	"	"
8	"	60 00	"	"	720		720		"	" 5 "	yes*	"	"
8	"	60 00	"	"	680		680		"	" 5 "	no	"	"
8	"	60 00	"	"	720		720		"	" 5 "	50	"	"
12	"	60 00	"	"	720		720		"	" 5 "	150	"	"
11	"	60 00	"	"	720		720		"	" 5 "	no	"	"
12	"	60 00	"	"	720		720		"	" 10 "	120	"	"
12	"	50 00	"	"	600		600		inc. \$10 mo.	increase	"	"	"
12	"	50 00	"	"	600		600		neither	"	"	"	"
10	day	1 45	hr. 16c	"	540		540		inc. \$10 mo.	inc. \$5 mo.	100	same	worse
12	mo.	50 00	"	"	370		370		" 5 "	" 5 "	no	better	same
12	"	45 00	"	"	600		600	12	neither	" 5 "	200	"	better
10	"	50 00	"	"	540		540		"	"	100	same	same
12	"	50 00	"	"	600		600		"	neither	no	"	"
10	"	50 00	"	"	600		600	12	"	"	200	worse	"
12	"	50 00	"	"	500		500		inc. \$5 mo.	inc. \$10 mo.	no	same	worse
12	"	55 00	"	"	640		640		" 5 "	" 5 "	200	same	same
12	"	50 00	"	"	600		600		neither	neither	150	worse	worse
10%	"	50 00	"	"	550		550		"	"	no	same	"
12	day	1 75	"	"	550		550	12	inc. \$3.50 mo	inc. \$2.50 mo	"	"	same
12	mo.	55 00	"	"	680		680		increase	increase	"	worse	worse
12	"	50 00	"	"	600		600	12½	inc. \$5 mo.	inc. \$5 mo.	200	same	same
12	"	40 00	"	"	480		480		neither	neither	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
5634	Charlotte	Agent	G. T. R.	Eng.	38	m	2	2			12				
5635	Lenox	"	"	French	56	"	2	2	12	12	12				
5636	Grand Haven	"	"	Scotch	52	"	2	2	12	12	12				
5637	Birmingham	"	"	Am.	45	"	4	4	15	15	12				
5638	Clarkston	"	"	Can.	30	"	2	2	12	14	12				
5639	Boston	"	"	Am.	54	"	2	2	14	14	12				
5640	Corunna	"	"	"	29	"	2	2	13	13	12				
5641	Lowell	"	"	"	37	"	3	1	15	15	12				
5642	Fenton	"	"	Can.	50	"	3	1	12	12	12				
5643	Owosso	"	"	Eng.	50	"	3	1	15	15	12				
5644	Lennon	"	"	Am.	24	"	2	1	12	12	11½		20		Vacation
5645	Saginaw	"	"	"	30	s			14	14	12				
5646	"	Clerk	"	"	23	m	2				9		3		
5647	Bay City	Agent	"	"	36	"	2	1	10	10	12				
5648	Moorland	"	"	"	29	s		1	10	10	12				
5649	Sheridan	"	"	"	30	m	2	1	10	10	12				
5650	Sparta	"	"	"	27	s			10	10	12				
5651	Cedar Springs	"	"	"	31	m	2	2	12	12	12				
5652	Middleton	"	"	"	47	"	2	3	10	10	12				
5653	Battle Creek	Dispatcher	"	"	38	"	4	2	8	8	12		4		Sickness
5654	"	"	"	"	26	"	2	2	8	8	11½		12		Vacation
5655	"	"	"	Can.	30	"	2	1	8	8	12		4		Laid off
5656	"	"	"	Am.	31	"	2	1	8	8	11		1		Vacation
5657	"	"	"	"	27	"	2		8	8	11				Sickness
5658	"	"	"	Can.	33	s		8	8	8	11½		15		
5659	Saginaw	"	"	"	26	m	2	1	8	8	12				
5660	"	"	"	Am.	31	"	2		8	8	12				
5661	Bay City	Operator	"	"	21	s		12	12	12					
5662	Lowell	"	"	"	21	"		13	13	12					
5663	Grand Haven	"	"	"	46	m	2	4	10	10	12				
5664	Ferrysburg	"	"	"			3	1	11	11	12				
5665	Detroit	"	"	Can.	30	s		12	12	12					
5666	Lenox	"	"	Am.				12	12	12					
5667	Lansing	"	"	"	21	"		12	12	12					
5668	Charlotte	"	"	"	24	"		12	12	12					
5669	"	"	"	"	25	"		12	12	12					
5670	Owosso	"	"	"	27	m	3	1	11	11	12				
5671	Armada	"	"	"	25	"	2	10	10	12		7			Vacation
5672	Fraser	"	"	"	36	"	2	8	12	12	11½		15		Sickness
5673	Detroit	"	"	Can.	23	"	2	1	13	12	12				
5674	Emmet	"	"	Irish	21	s		12	12	12					
5675	Mt. Clemens	"	"	Am.	26	m	2	1	12	12	12				
5676	Climax	"	"	"	23	"	2	13	12	11		1			Vacation
5677	Schoolcraft	"	"	"	23	s		12	12	12					
5678	Cassopolis	"	"	"	35	m	2	1	12	12	12				
5679	Perry	"	"	"	20	s		12	12	11		1			Vacation
5680	Cereso	"	"	"	22	"		12	12	11					
5681	Marcellus	"	"	"	23	"		12	12	10½		1½			
5682	Grand Rapids	"	"	"	31	m	2	1	12	12	12				
5683	"	"	"	"	20	s		12	12	12					
5684	Capac	"	"	Am.	22	m	2	1	12	12	12		1		Sickness
5685	Saginaw	Gen'l office	"	"	34	"	2	1			12				
5686	Muskegon	Cashier	"	"	22	s		10	10	12					
5687	Grand Haven	"	"	Eng.	52	m	2		10	10	12				
5688	Lansing	"	"	Am.	29	"	2		10	10	12				
5689	Saginaw	"	"	"	30	s			10	10	12				
5690	Grand Rapids	Ass't cashier	"	Am.	27	"		9	9	7		5			Lack of work
5691	Battle Creek	Chief clerk	"	"	34	"		9	9	12					
5692	"	Timekeeper	"	Can.	23	m	2	1	8½	8½	12				
5693	Detroit	Chief clerk	"	Am.	32	"	2		8½	8½	12				
5694	Lansing	Clerk	"	"	21	s			10	10	10				
5695	Detroit	Collector	"	Can.	33	m	2	1	10	10	12				
5696	Cedar Springs	Clerk	"	Am.	21	"		12	12	9		3			Lack of work
5697	Saginaw	"	"	"	30	s	2	3	8	8	12				
5698	Lansing	Flagman	"	"	30	"		11	11	12					
5699	Saginaw	Baggage man	"	"	24	"		10	10	12					

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
	mo.	hr.	hr.		mo.	hr.	hr.						
12	mo.	\$80 00		mo.	\$720		\$720		neither	neither	\$300	worse	worse
12	"	58 00		"	696		696		inc. \$8 mo.	"	yes* 400	same	same
12	"	198 83½		"	1,300		1,300		neither	"	"	"	worse
15	"	45 00		"	540		540		"	"	no	"	same
13	"	45 00		"	540		540		"	"	"	"	"
14	"	10 00		"	120		120		"	"	"	"	"
13	"	55 00		"	660		660		"	"	no	worse	worse
15	"	65 00		"	780		780		"	"	no	same	same
12	"	65 00		"	780		780		"	"	no	worse	worse
15	"	100 00		"	1,200		1,200		"	"	no	same	same
12	"	40 00		"	448		448		"	"	200	"	"
14	"	90 00		"	1,080		1,080		"	"	no	"	"
10	"	50 00		"	450		450		"	"	no	worse	worse
10	"	90 00		"	1,080		1,080		"	inc. 40%	yes*	"	"
10	"	30 00		"	360		360		"	"	no	same	same
10	"	40 00		"	480		480		"	dec. \$5 mo.	no	better	same
10	"	40 00		"	480		480		"	" 10 "	no	worse	worse
12	"	45 00		"	540		540		"	" 5 "	150	worse	"
10	"	35 00		"	420		420		"	neither	80	"	"
8	"	105 00		"	1,244		1,244	8	"	"	no	same	same
8	"	105 00		"	1,207		1,207	8	"	"	no	same	same
8	"	105 00		"	1,244		1,244	8	inc. \$5 mo.	neither	200	worse	better
8	"	105 00		"	1,155		1,155	8	neither	neither	no	same	same
8	"	90 00		"	990		990	8	"	"	no	same	same
8	"	105 00	hr. 14½c	"	1,200		1,200	8	"	inc. 7%	300	"	better
8	"	55 00		"	660		660		inc. \$5 mo.	13%	no	"	"
8	"	90 00		"	1,080		1,080		neither	neither	500	"	"
12	day	1 35		"	380		380		inc. \$5 mo.	neither	no	better	
12	mo.	40 00		"	480		480		inc. \$5 mo.	neither	no	same	
10	"	55 00		"	660		660		neither	neither	yes*	worse	worse
11	"	50 00		"	600		600		"	"	100	"	"
12	"	45 00		"	540		540		"	"	200	same	same
12	day	1 25		"	391		391		"	dec. 25c day	no	"	"
12	mo.	50 00		"	600		600		"	neither	no	worse	worse
12	"	50 00		"	600		600	12½	inc. \$5 mo.	inc. \$5 mo.	no	same	same
12	"	50 00		"	600		600	12	" 5 "	" 5 "	75	worse	worse
11	"	45 00		"	540		540		neither	neither	100	"	"
10	day	1 25		"	382		382		"	"	no	"	"
12	mo.	40 00		"	480	\$2	482		"	dec. \$12 mo.	75	same	better
12	"	48 00		"	576		576		"	inc. \$8 "	50	"	"
12	"	45 00		"	540		540		inc. \$5 mo.	" 5 "	150	"	same
12	day	1 25		"	391		391		neither	neither	no	worse	worse
12	"	1 50		"	430		430	12	inc. \$5 mo.	inc. \$5 mo.	no	same	same
12	mo.	42 50		"	510		510	13	" 2.50 mo.	" 2.50 "	100	"	"
12	"	47 50		"	570		570		" 2.50 "	" 2.50 "	100	"	"
12	"	45 00		"	495		495	12	" 5 "	"	no	better	"
12	"	45 00		"	495		495	12	neither	inc. \$5 mo.	no	same	same
12	"	46 00		"	475		475	12	inc. \$5 mo.	" 5 "	250	"	"
12	"	45 00		"	540		540		neither	neither	200	"	"
12	"	40 00		"	480		480		"	"	75	"	"
12	"	45 00		"	495		495	12½	inc. \$5 mo.	"	no	worse	same
10	"	150 00		"	1,800		1,800		"	"	no	same	same
10	"	50 00		"	600		600		neither	inc. \$5 mo.	no	"	"
10	"	55 00		"	660		660		"	neither	yes*	"	same
10	"	60 00		"	720		720		"	"	100	"	"
10	"	60 00		"	720		720		"	"	no	"	"
9	"	50 00		"	350		350		"	neither	no	worse	worse
8½	"	65 00		"	780		780		"	"	50	same	same
8½	"	37 00		"	684		684		"	"	"	"	"
10	"	97 00		"	1,080		1,080		"	inc \$6.66mo	no	same	same
10	"	40 00		"	400		400		"	"	200	"	"
10	"	50 00		"	600		600		"	neither	no	worse	worse
12	"	20 00		"	180		180		"	"	"	"	"
8	"	75 00		"	900		900		"	"	"	"	"
11	"	33 00		"	396		396		"	"	no	"	"
20	"	40 00		"	480		480		"	"	"	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
5812	Detroit	Stenos'pher	G. T. R.	Can.	19	s			8½	8½	12				
5813	Saginaw	Carpenter	"	Irish	45	m		6	10	10	12				
5814	Grand Rapids	"	"	Ger.	41	"		5	10	10	12				
5815	Ada	"	"	Am.	50	"			10	10	11	1			Sickness
5816	Grand Haven	"	"	"	54	"		1	10	10	12				
5817	Grand Rapids	"	"	"	45	"		6	10	10	12				
5818	"	"	"	Ger.	39	"		4	10	10	12				
5819	Detroit	"	"	"	24	"					10				
5820	Battle Creek	"	"	Can.	54	"		1	10	10	12				
5821	"	"	"	Am.	18	"					12				
5822	"	"	"	"	52	m			10	10	12				
5823	"	"	"	"	27	"			10	10	12				
5824	"	"	"	French	56	"		12	10	10	12				
5825	"	"	"	Can.	36	"		1	10	10	11½	13			Sick & vacat'n
5826	"	"	"	Am.	37	"		2	10	10	12				
5827	Fort Gratiot	"	"	Irish	45	"	3	3	7	7	12				
5828	Port Huron	"	"	Can.	35	"	4	9	10	10	12				
5829	"	"	"	Irish	61	"	3	9	10	10	12	2			Lack of work
5830	"	"	"	Can.	45	"	2	9	10	10	12				
5831	"	"	"	Ger.	30	"			9	10	11½	15			Lack of work
5832	"	"	"	"	32	"		1	9	10	12				"
5833	"	"	"	Am.	62	"		2	9	10	11	26			Business
5834	"	"	"	Can.	53	"		3	9	10	11½	12			Lack of work
5835	"	"	"	Am.	45	"		2	9	10	11½	20			Sick & l. of w.
5836	"	"	"	Eng.	47	"		4	9	10	11½	20			"
5837	"	"	"	Can.	49	"		4	9	10	10	2			Lack of work
5838	"	"	"	Am.	45	"		2	9	10	12	10			"
5839	"	"	"	"	59	"			9	10	10	2			"
5840	"	"	"	Can.	45	"		1	9	10	12				
5841	"	"	"	"	39	"		4	9	10	10				Sick & l. of w.
5842	"	"	"	Eng.	39	"		4	9	10	6	6			Sickness
5843	"	"	"	Irish	49	"			9	10	10	2			"
5844	"	"	"	Can.	45	"		7	9	10	12				
5845	"	"	"	Am.	32	"		3	9	10	11½	15			Sick & l. of w.
5846	"	"	"	"	53	"		4	9	10	12				Lack of work
5847	"	"	"	Can.	41	"		3	9	10	11½	15			Sick & l. of w.
5848	"	"	"	Am.	43	"		4	9	10	11½	12			"
5849	"	"	"	Can.	38	"		3	9	10	11½	30			"
5850	"	"	"	"	41	"		4	9	10	10½	14			Lack of work
5851	"	"	"	Am.	39	"		1	9	10	12	10			"
5852	"	"	"	Irish	61	"	2	4	9	10	11	1			"
5853	Ada	Helper	"	Am.	33	s			10	10	12	2			Pleasure
5854	Port Huron	†Machinist	"	Eng.	53	m	2	2	9	10	12				Business
5855	"	"	"	Am.	33	"	2	5	9	10	11½	12			Pleasure
5856	"	"	"	Can.	34	"	2	5	9	10	11½	18			Sickness
5857	"	"	"	Am.	30	"	2	1	9	10	12	6			Holidays
5858	"	"	"	Scotch	24	"	2		9	10	12	6			Pleasure
5859	Battle Creek	Painter	"	Am.	21	"		1	10	10	12				
5860	"	"	"	"	64	"	2	1	10	10	12				
5861	"	"	"	"	20	s			10	10	12				
5862	Port Huron	"	"	Can.	25	"			9	10	½				Other work
5863	"	"	"	Am.	19	"			9	10	½				"
5864	"	"	"	Can.	49	m	2	6	9	10	11	26			Lack of work
5865	"	"	"	Eng.	51	"	3	7	9	10	12				Holidays
5866	"	"	"	"	29	"			9	10	11	26			Sick & l. of w.
5867	"	"	"	"	30	"	2	1	9	10	11	26			"
5868	"	"	"	Can.	26	s			9	10	11½	20			"
5869	"	"	"	"	35	m	2	2	9	10	11½	12			Lack of work
5870	"	"	"	"	22	"		1	9	10	11½	16			Sickness
5871	"	"	"	"	23	"		3	9	10	11½	12			Lack of work
5872	"	"	"	"	29	"	2	3	9	10	11½	12			"
5873	West Bay City	Car repairer	"	Ger.	37	"	2	4	10	10	12				
5874	Saginaw	"	"	"	47	"	2	5	11	11	12				
5875	Pontiac	"	"	"	23	"	2		10	10	12	10			Sickness
5876	"	"	"	Am.	26	"	2	1	10	10	12				
5877	Owosso	"	"	Eng.	33	"	2	2			12				

† Wood.

Railway Employees.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Over-time.	Total.						
8½	mo.	\$45 00		mo.	\$540		\$540		inc. \$20 mo.		no	same	same
10	day	2 00			626		626		neither	neither			
10	"	2 75	h. 27½c	"	881		881				\$200	worse	worse
10	"	2 20		"	629		629		"	"	100	same	same
10	"	2 20		"	689		689		"	"	100		
10	"	2 20		"	689		689		"	"	no	worse	worse
10	"	2 20		"	689		689		"	"			
10	mo.	47 00	yes*	"	564		564	10	"		no	same	same
10	"	2 00		"	626	\$80	686	10		inc. 12½c da	100		better
10	"	1 25		"	391		391				no		
10	"	2 00		"	626		626		neither	dec. 25c day	200	same	worse
10	"	1 25		"	391		391	10	"	neither	no		
10	"	2 00		"	626		626		"	"	no		same
10	"	2 00		"	600		600		"	"	100		
10	"	2 00		"	626		626		"	"	no		
7	"	2 50		"	782		782		"	"			
9½	"	2 00	hr. 30c	"	626		626	9½	"	inc. 25c day	100	same	better
9½	"	1 85	yes*	"	458		483	10	"	neither	100	same	same
9½	"	2 10		"	637		637	10	"	inc. 20c day	no	worse	
9½	"	1 85	"	"	551		551		"	neither		same	
9½	"	1 85	"	"	557		557	10	"	"		worse	worse
9½	"	2 00	hr. 20c	"	574		574	10	"	"		same	same
9½	"	2 00	yes*	"	602		602	10	"	"		same	worse
9½	"	1 75	h. 26½c	"	513	17	530	10	"	"		worse	
9½	"	1 75	yes*	"	513	17	530	10	"	"			
9½	"	1 75		"	439	14	453	10	"	"		same	same
9½	"	2 00	hr. 30c	"	606	24	630	10	"	inc. 15c day			better
9½	"	1 75	yes*	"	439		439	10	"	25c			
9½	"	1 75		"	548		548	10	"	neither		worse	worse
9½	"	1 90	"	"	477		477	10	inc. 15c day	dec. 50c day		better	
9½	"	2 00		"	812		812	10	inc. ½			same	better
9½	"	1 90	"	"	477		477	10	neither			worse	worse
9½	"	1 68	"	"	520	10	530	10	"				
9½	"	2 00		"	596		596	10	"			same	
9½	"	2 00	hr. 20c	"	602	40	642	10	"	inc. 10c day			better
9½	"	2 00	yes*	"	596	10	606	10	"	5%		worse	
9½	"	2 00	hr. 30c	"	602	18	618	10	"	5%		same	
9½	"	1 85	*yes	"	542	15	557	10	"	neither		worse	worse
9½	"	1 85		"	505	22	527	10	"				
9½	"	2 00	*yes	"	606	20	626	10	"	inc. 5c day	50		better
9½	"	2 10	h. 31½c	"	608	6	609	10	"	neither	no		worse
10	"	1 38		"	851		851		"				
9½	"	1 65	h. 24½c	"	568		568	10	"	inc. 15c day		same	same
9½	"	1 65	" 24½c	"	497		497	10	"	neither	100		
9½	"	1 65	" 24½c	"	487	10	497	10	"	inc. 15c day	no	worse	better
9½	"	1 50	" 22½c	"	460	9	469	10	"	25c	75	same	
9½	"	1 65	" 24½c	"	507	30	537	10	"	15c	75		
10	"	2 00		"	626		626		"	50c	no	better	
10	"	1 50		"	469		469		"	neither	same.	same	same
10	"	1 50		"	469		469		"	increase	75		better
9½	"	1 75		"	10		10	10			no	better	same
9½	"	1 75	*yes	"	21		21	10				same	
9½	"	2 22		"	637		637	10	neither	neither	200		worse
9½	"	1 65	"	"	508	18	524	10	"	inc. 15c day	no		same
9½	"	1 75		"	537	3	540	10	"	neither		worse	worse
9½	"	1 75		"	537	4	541	10	"	"			
9½	"	1 75		"	548	8	551	10	"	"		same	same
9½	"	2 00		"	642	10	652	10	"	inc. 5%	25	worse	
9½	"	2 00	hr. 30c	"	594	20	614	10	inc. 10c day	25c day	50	same	better
9½	"	2 00	30c	"	602		602	10	neither	15c	no	worse	same
9½	"	2 00	*yes	"	602		602	10	"	15c			better
10	"	1 50		"	470		470		"	neither			worse
11	"	1 70		"	532		532		"				
10	"	1 40		"	424	28	452	10	"	inc. 15c day	50	same	same
10	"	1 25	*yes	"	391	30	421	10	"	neither	75		
11	"	1 60		"	500		500	10	"		no		

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5878	Grand Haven.	Car repairer	G. T. R.	Eng.	37	m	2	2	11	11 12				
5879	Detroit	"	"	Irish.	22	s			10	10 12				
5880	"	"	"	Am.	20	s			10	10 12				
5881	"	"	"	Ger.	39	m	2	5	10	10 12				
5882	Battle Creek	"	"	Irish.	26	s				11		1		
5883	"	"	"	Am.	32	s			10	10 12		10		Pleasure
5884	"	"	"	"	40	m	2	1	10	10 12				
5885	"	"	"	Can.	32	s	3		10	10 11		1		Sickness
5886	Lenox	"	"	Ger.	40	m	2	5	12	12 12				
5887	Lansing	"	"	Am.	34	m	2	3	10	10 12				
5888	"	"	"	"	40	m	2	2	10	10 12				
5889	Port Huron.	Mach. shop*	"	Can.	47	m	2	1	9	10 12				
5890	"	Steam fitter	"	Eng.	53	m	2	5	9	10 12		3		Sickness
5891	Muskegon	Machinist	"	Am.	36	m	2	2	11	11 12				
5892	Owosso	"	"	"	46	m	2	3	12	12 12				
5893	Battle Creek	"	"	"	26	s			10	10 12				
5894	"	"	"	Can.	23	m	2		10	10 12				
5895	"	"	"	Am.	25	s			10	10 12				
5896	"	"	"	"	55	m	2	3	10	10 11 1/2		15		Sick & holidays
5897	"	"	"	"	2	10	10	10 12						
5898	"	"	"	Scotch	36	w	1	1	10	10 11		1		Sick. & death.
5899	"	"	"	Eng.	40	m	2	1	10	10 12				
5900	"	"	"	Am.	39	m	2	4	10	10 12				
5901	"	"	"	Eng.	23	m	2		10	10 12				
5902	"	"	"	Am.	23	m	2	1	10	10 12				
5903	"	"	"	Scotch	45	w	1	5	10	10 12				
5904	"	"	"	Am.	45	m	2	2	10	10 12				
5905	"	"	"	Eng.	26	s			10	10 11		1		Sickness
5906	"	"	"	Can.	13	s			10	10 11		1		Vacation
5907	"	"	"	Eng.	33	m	2		10	10 10		2		Lack of work
5908	"	"	"	"	43	m	2	6	10	10 10		2		"
5909	"	"	"	"	47	m	2	7	10	10 12				
5910	"	"	"	Am.	26	s			10	10 11		1		Sickness
5911	"	"	"	Can.	24	m			10	10 12				
5912	"	"	"	Am.	36	m	2	3	10	10 12				
5913	"	"	"	Can.	22	s			10	10 11		1		Vacation
5914	Marshall	"	"	Am.	47	m	2	2	10	10 2				Sickness
5915	Battle Creek	"	"	"	23	s			10	10 12				
5916	"	"	"	"	34	m	2	3	10	10 12		10		Pleasure
5917	"	"	"	"	30	m	2	2	10	10 11		1		Sickness
5918	"	"	"	Can.	45	s			10	10 12				
5919	"	"	"	Am.	26	m	2		10	10 12				
5920	"	"	"	"	54	m	2	1	10	10 11		1		
5921	"	"	"	Can.	45	m	2	4	10	10 12				
5922	"	"	"	Scotch	40	m	2	5	9	10 12		12		Lack of work
5923	Port Huron.	"	"	Can.	37	m	2	3	10	10 12		3		
5924	"	"	"	Eng.	36	m	2	2	10	10 12		6		Pleasure
5925	Battle Creek	Helper	"	Can.	21	s			10	10 12				
5926	"	"	"	"	18	s			10	10 13				
5927	"	"	"	Am.	32	m	2	3	10	10 11		1		Sickness
5928	"	"	"	"	30	s			10	10 11 1/2		13		Sick. & death
5929	"	"	"	Can.	25	m			10	10 12				
5930	"	"	"	Am.	19	m			10	10 12				
5931	"	"	"	"	20	m			10	10 12				
5932	"	"	"	"	17	m			10	10 6		6		Lack of work
5933	"	"	"	Can.	20	m			10	10 11 1/2		13		Sickness
5934	"	"	"	Am.	29	m			10	10 12				
5935	"	"	"	"	48	m	2	4	10	10 12				
5936	"	"	"	"	19	s			10	10 12				
5937	"	"	"	Can.	18	m			10	10 12				
5938	"	"	"	Am.	40	m	2		10	10 12		10		
5939	"	"	"	Eng.	17	s			10	10 12				
5940	"	"	"	Am.	17	s			10	10 12				
5941	"	"	"	"	17	m			10	10 12				
5942	"	"	"	"	19	m			10	10 11		1		Vacation
5943	Port Huron	"	"	"	25	m			9	10 10		2		Lack of work

* Foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per year.		Am't per		Regular time.	Overtime.	Total.						
11	day	\$1 75		mo.	\$548		\$548		neither	neither	no	same	same
10	mo.	82 00	yes*	"	384		384	10	"	"	\$100	same	same
10	"	32 00		"	384		384	10	"	"	no	worse	worse
10	"	45 00		"	540		540	10	"	"	no	"	"
10	day	1 35	hr. 13½c	"	387		387	10	"	"	no	"	"
10	"	1 35	" 13½c	"	409		409	10	"	"	no	"	"
10	"	1 35	" 13½c	"	423	\$7	430	10	"	"	no	worse	better
10	"	1 35	" 13½c	"	423	8	431	10	"	"	no	"	"
12	"	1 80		"	500	100	600	10	inc. 13c day	inc. 13c day	no	"	worse
10	"	1 50		"	470		470		neither	neither	no	"	"
10	mo.	60 00		"	720		720		"	"	250	same	same
9½	day	2 50	hr. 37½c	"	783		783	10	"	inc. 80c day	yes*	better	better
9½	"	2 70	yes*	"	837	50	887	10	"	50c	no	same	same
11	mo.	70 00		"	840		840		"	neither	no	same	same
12	day	1 50		"	563		563		"	"	50	worse	worse
10	"	2 35	1½time	"	736	6	742	10	"	"	no	"	"
10	"	2 35	"	"	736	25	761	10	inc. 10c day	inc. 10c day	no	better	better
10	"	2 35	"	"	736	25	761	10	" 10c	" 10c	no	same	"
10	"	2 25	"	"	670	25	695	10	neither	dec. 10c	no	"	worse
10	"	2 50	"	"	733	50	783	10	inc. 10c day	" 10c	no	better	same
10	"	2 30	"	"	660		660		neither	neither	no	worse	worse
10	"	2 35	1½time	"	736	75	811	10	inc. 10c	inc. 10c day	200	same	better
10	"	2 00	"	"	626	50	676	10	" 10c	" 25c	100	better	"
10	"	2 35	"	"	736	10	746	10	neither	neither	no	same	"
10	"	2 35	"	"	736	15	751	10	inc. 10c day	"	100	"	"
10	"	2 35	"	"	736	50	786	10	neither	inc. 10c day	200	same	worse
10	"	1 50	"	"	470	25	495		"	"	no	"	better
10	"	2 35	"	"	674	10	684	10	"	inc. 10c day	no	"	"
10	"	60		"	172		172		"	"	no	same	"
10	"	2 35	hr. 23½c	mo.	613	10	623	10	dec. 5c day	inc. 10c	no	worse	worse
10	"	2 35	1½time	"	613	10	623	10	inc. 15c	inc. 10c day	no	same	same
10	"	2 50	"	"	733		733	10	" 10c	" 10c	no	"	better
10	"	2 35	"	"	674		674	10	" 10c	" 10c	100	"	"
10	"	2 35	"	"	736		736	10	" 10c	neither	no	"	"
10	"	2 35	"	"	736	30	766	10	neither	increase	no	"	worse
10	"	2 25	"	"	646	25	671	10	"	"	100	"	better
10	"	2 25	"	"	117		117	10	"	inc. 10c day	no	"	"
10	"	2 35	"	"	736	35	771	10	inc. 10c day	"	no	"	"
10	"	2 50	"	"	733		733	10	" 15c	" 15c	no	better	"
10	"	2 35	"	"	674		674	10	" 10c	" 10c	no	same	"
10	"	2 35	"	"	736	5	741	10	" 10c	" 10c	yes*	better	"
10	"	2 40	"	"	751	50	801	10	" 15c	" 25c	500	same	"
10	"	2 25	"	"	636		636		neither	neither	no	"	same
10	"	2 35	"	"	736	15	751	10	inc. 10c day	inc. 10c day	no	"	better
9½	"	1 50	hr. 22½c	"	451		451	10	neither	dec. 50c	no	"	worse
10	"	2 25	" 33½c	"	697	60	757	10	inc. 25c day	inc. 25c	150	better	same
10	"	2 25	" 33½c	"	691		691	10	" 25c	neither	50	"	"
10	"	1 25	"	"	391		391	10	neither	"	no	same	worse
10	"	1 00	"	"	313		313		"	"	no	same	same
10	"	1 25	"	"	359		359		"	neither	no	"	better
10	"	1 25	"	"	375		375		"	"	no	worse	worse
10	"	1 25	"	"	391		391	10	"	"	100	same	same
10	"	1 00	"	"	313		313		"	neither	no	"	"
10	"	1 00	"	"	156		156		"	"	no	"	"
10	"	50	"	"	150		150		"	"	no	"	"
10	"	1 25	"	"	391		391		"	neither	no	worse	worse
10	"	1 50	"	"	469		469		"	"	no	"	"
10	"	1 25	"	"	391		391		"	"	no	same	same
10	"	60	"	"	188		188		"	"	no	"	worse
10	"	1 25	"	"	379		379		"	"	no	"	"
10	"	50	"	"	156		156		neither	neither	no	"	"
10	"	1 00	"	"	313		313		"	"	no	same	same
10	"	50	"	"	156		156		"	"	no	"	"
10	"	1 25	"	"	359		359		"	"	no	"	better
9½	"	1 50	"	"	391		391		"	"	no	"	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5961	Port Huron...	Driller	G. T. R.	Scotch	46	s			9	10	10	2		Sickness
5962	"	Mach. hand.	"	Am.	21	s			9	10	12	12		
5963	"	"	"	Can.	37	m	2	2	9	10	11	1		Sickness
5964	"	"	"	Am.	55	s			9	10	10	2		
5965	Battle Creek.	Sta. engineer	"	Am.	54	s			10	10	12	2		
5966	Lansing	Pumper	"	Eng.	40	s			10	10	12			
5967	Grand Haven.	Sta. fireman	"	Am.	23	s			11	11	12			
5968	Detroit	Y'd fireman	"	Irish	26	s			12	12	12			
5969	Fort Gratiot.	Sta. fireman	"	Irish	23	s			10	10	12			
5970	Port Huron	Silver plater	"	Can.	48	m	2	8	9	10	12			
5971	"	"	"	Am.	21	s			9	10	10	2		Lack of work
5972	"	"	"	Eng.	21	s	3	9	9	10	11½	15		Vacation
5973	Battle Creek.	Tinner	"	Can.	34	m		3	10	10	12			
5974	Saginaw	"	"	Ger.	39	m	2	6	10	10	12			
5975	"	"	"	Am.	37	s			2	10	12			
5976	Battle Creek.	Boiler mkr.	"	Am.	25	s			10	10	12			
5977	"	"	"	Eng.	32	m			2	10	10	4		
5978	"	"	"	Am.	33	s	2	5	10	10	11	1		Sickness
5979	"	"	"	Can.	21	s			10	10	12			
5980	"	"	"	Ger.	26	m	2	1	10	10	10	2		Sick & lack w
5981	"	"	"	Am.	40	s	2	2	10	10	12			
5982	"	"	"	Eng.	33	s			10	10	12			
5983	Saginaw	"	"	Ger.	44	m	2	8	10	10	12			
5984	Battle Creek.	Helper	"	Am.	22	s			10	10	12			
5985	"	"	"	"	21	s			10	10	12			
5986	"	"	"	"	21	s			10	10	12			
5987	"	"	"	"	20	s			10	10	12			
5988	"	"	"	"	24	s			10	10	11½	13		Sick & lack w
5989	"	"	"	"	22	s			10	10	12	8		
5990	"	"	"	Can.	18	s			10	10	12			
5991	"	"	"	Am.	21	s			10	10	9			Lack of work.
5992	"	Bolt cutter.	"	"	40	m			10	10	6	6		Sickness
5993	"	Tool setter	"	Ger.	28	s			10	10	12			
5994	"	Tool keeper	"	Am.	57	s			10	10	12			
6001	"	Fitter	"	Scotch	32	s			10	10	12			
6013	"	"	"	Can.	30	s			2	10	12			
6014	Saginaw	"	"	Am.	46	s			14	10	8	4		Sickness
6015	Battle Creek.	Tank fitter.	"	Can.	36	s			10	10	12			
6016	"	Helper	"	Am.	21	s			10	10	12			
6017	"	"	"	"	32	m	2	4	10	10	12			
6018	"	"	"	"	28	s	2	4	10	10	12			
6019	"	"	"	Can.	28	s	2	2	10	10	12	10		
6020	"	"	"	Am.	28	s	2	2	10	10	12			
6021	"	"	"	"	24	s			10	10	11	1		Lack of work
6022	"	Pump rep'r.	"	Scotch	40	m	2	2	10	10	12			
6023	Saginaw	Yard master	"	Irish	35	s	2	4	10	10	12			
6024	Grand Rapids.	"	"	Am.	32	s	2	1	12	12	12			
6025	Owosso	"	"	"	32	s	2	1	1	12	12			
6026	Detroit	"	"	Can.	30	s	2	8	10	10	12			
6027	Lenox	"	"	Am.	23	s			10	10	12			
6028	Jackson	Yardman	"	Am.	58	m	2	10	10	10	12			
6029	Detroit	Switchman.	"	Irish	24	s			10	10	10			
6030	Bay City	"	"	Am.	31	m	2	1	10	10	10	2		
6031	"	"	"	"	30	s	2	1	10	10	12			
6032	Pontiac	"	"	Ger.	30	s			10	10	12			
6033	"	"	"	Am.	35	m	2	1	10	10	12			
6034	Grand Rapids.	"	"	"	27	s			12	12	12			
6035	"	"	"	"	31	s			12	12	12			
6036	Owosso	"	"	"	22	m	2	1			12			
6037	"	"	"	"	40	s	2	4			12			
6038	"	"	"	"	24	s					12			
6039	Grand Haven.	"	"	"	30	m	2	14	11	11	12			
6040	"	"	"	"	26	s			14	11	12			
6041	Detroit	"	"	Irish	31	s			3	10	10			
6042	"	"	"	Can.	30	s			2	10	10			
6043	Battle Creek	"	"	Am.	40	s			1	12	12			
6044	"	"	"	"	30	s	2		1	12	12	1		Sick & lack w

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
9 $\frac{1}{4}$	day	\$1 25	hr. 20c	mo.	\$352	\$15	\$352	\$10	neither	neither	no	same	worse
9 $\frac{1}{2}$	"	1 35	"	"	423		423	10	inc. 10c day	inc. 15c day	\$50	better	better
9 $\frac{3}{4}$	"	1 40	"	"	396		396		neither		no	worse	same
10	"	1 45	"	"	418		418		"	neither	"	same	worse
10	"	1 50	"	"	516		516		"	"	\$25	better	better
11	"	1 55	"	"	469		469		"	"	50	worse	worse
12	mo.	47 00	"	"	516		516		"	inc. 2%	no	"	"
12	"	45 00	"	"	564		564		"	neither	"	"	"
9 $\frac{1}{4}$	day	2 00	hr. 30c	"	540		540		inc. 25c day		"	better	
9 $\frac{1}{2}$	"	1 50	hr. 22 $\frac{1}{2}$	"	628		628	10	neither		"	"	
9 $\frac{3}{4}$	"	1 75	hr. 26c	"	391		391	10	inc. 25c day		"	"	better
10	"	1 85	"	"	521		521	10	inc. 10c	inc. 10c day	"	same	same
9	"	2 50	"	"	579		579		neither	neither	"	"	
9	"	1 25	"	"	782		782	10	"	"	"	"	
10	"	2 35	1 $\frac{1}{2}$ tm.	"	391		391	10	inc. 10c day	inc. 10c day	no	same	better
10	"	2 35	"	"	736		736	10	neither	neither	"	worse	"
10	"	2 35	"	"	234		234	10	"	inc. 10c day	"	same	same
10	"	2 35	"	"	672		672	10	"	neither	"	"	
10	"	1 25	"	"	391		391		"	"	no	same	worse
10	"	2 25	1 $\frac{1}{2}$ tm.	"	5-5		585		inc. 10c day	increase	\$100	"	better
10	"	2 25	"	"	736	25	761	10	inc. 10c	"	\$300	"	"
10	"	2 40	"	"	736		736	10	neither	dec. \$1 day	no	worse	worse
10	"	1 25	"	"	751		751		"	"	no	same	same
10	"	1 25	"	"	391		391		neither	neither	\$100	worse	worse
10	"	1 25	"	"	391		391		"	"	no	same	better
10	"	1 25	"	"	391		391		"	"	no	"	"
10	"	1 25	"	"	375		375		"	"	"	better	worse
10	"	1 25	"	"	375		375		neither	neither	"	same	same
10	"	1 00	"	"	313		313		"	"	"	"	"
10	"	1 25	"	"	293		293		"	"	"	"	better
10	"	1 35	"	"	211		211		"	"	\$300	"	worse
10	"	1 50	"	"	470		470	10	"	"	"	"	"
10	"	1 25	"	"	391		391		"	"	no	"	"
10	"	2 70	1 $\frac{1}{2}$ tm.	"	855	20	865	10	"	inc. 45c day	yes*	worse	"
10	"	2 40	"	"	691		691		"	inc. 25c	"	"	better
10	"	1 50	1 $\frac{1}{2}$ tm.	"	312		312	10	"	neither	no	"	"
10	"	1 50	"	"	470		470		inc. 25c day	inc. 25c day	"	better	better
10	"	1 25	"	"	391		391		neither	neither	"	same	same
10	"	1 50	"	"	470		470	10	"	"	"	better	"
10	"	1 35	"	"	423		423		inc. 10c day	inc. 10c day	\$100	worse	worse
10	"	1 50	"	"	470		470		inc. 25c	decrease	100	same	"
10	"	1 25	"	"	358		358		neither	neither	100	"	same
10	"	3 00	"	"	939		939		"	"	yes*	better	better
10	mo.	80 00	"	"	980		980		"	"	"	worse	worse
12	"	60 00	"	"	720		720		neither	"	"	"	"
12	day	3 25	"	"	720		720		"	"	no	same	same
10	"	100 00	yes*	"	1,300		1,300	10	"	"	"	better	better
10	"	40 00	"	"	480		480		"	"	"	worse	worse
10	"	45 00	"	"	540		540		"	inc. 10c day	"	"	"
10	day	2 35	hr. 27c	"	611		611		inc. \$2.50 mo.	inc. \$2.50 mo	yes*	better	better
10	"	2 00	yes*	"	520		520	10	neither	neither	"	worse	worse
10	"	2 00	"	"	628		628	10	"	"	"	"	"
10	"	1 25	"	"	391	25	416	10	"	"	"	"	"
10	"	1 25	"	"	391	40	431	10	"	"	"	"	"
12	"	1 75	yes*	"	548		548	12 $\frac{1}{2}$	"	"	\$50	"	"
12	"	1 75	"	"	548		548	12 $\frac{1}{2}$	"	"	\$120	"	"
12	"	1 75	"	"	548		548		"	"	no	same	"
10	mo.	53 60	"	"	696		696		"	"	"	worse	"
10	day	1 35	"	"	423		423		"	"	\$100	"	"
12 $\frac{1}{2}$	"	2 25	hr. 17c	"	704		704	11	"	"	100	"	"
12 $\frac{1}{2}$	"	1 75	hr. 14c	"	548	45	593	12	"	"	no	"	"
10	"	2 20	hr. 22c	"	689		689	10	inc. \$2.50 mo.	inc. \$2.50 mo	\$300	"	"
10	"	2 20	yes*	"	689		689		neither	inc. \$2.50	no	better	better
12	"	1 35	"	"	416		416		"	neither	"	same	same
12	"	1 35	"	"	382		382		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
5861	Port Huron	Driller	G. T. R.	Scotch	46	s			9	10	10			Sickness
5862	"	Mach. hand.	"	Am.	21	s			9	10	12	2	12	Sickness
5863	"	"	"	Can.	37	m		2	9	10	11			
5864	"	"	"	Am.	55	s			9	10	10			
5865	Battle Creek	Sta. engineer	"	"	54	s			10	10	12			
5866	Lansing	Pumper	"	Eng.	40	s			10	10	12			
5867	Grand Haven	Sta. fireman	"	Am.	23	s			11	11	12			
5868	Detroit	Y'd fireman	"	Irish	26	s			12	12	12			
5869	Fort Gratiot	Sta. fireman	"	"	23	s			10	10	12			
5870	Port Huron	Silver plater	"	Can.	48	m	2	3	9	10	12			
5871	"	"	"	Am.	21	s			9	10	10			Lack of work
5872	"	"	"	Eng.	21	s	3		9	10	11½		15	Vacation
5873	Battle Creek	Tinner	"	Can.	34	m			3	10	12			
5874	Saginaw	"	"	Ger.	39	s	2		6	10	7½			
5875	"	"	"	"	37	s	2		2	10	7½			
5876	Battle Creek	Boiler mkr.	"	Am.	25	s			10	10	12			
5877	"	"	"	Eng.	32	m	2		2	10	4			
5878	"	"	"	Am.	33	s	2	5	10	10	11			Sickness
5879	"	"	"	Can.	21	s			10	10	12			
5880	"	"	"	Ger.	26	m	2		1	10	10	2		Sick & lack w
5881	"	"	"	Am.	40	s	2		2	10	10			
5882	"	"	"	Eng.	33	s			10	10	12			
5883	Saginaw	"	"	Ger.	44	m	2	3	10	10	12			
5884	Battle Creek	Helper	"	Am.	22	s			10	10	12			
5885	"	"	"	"	21	s			10	10	12			
5886	"	"	"	"	21	s			10	10	12			
5887	"	"	"	"	20	s			10	10	12			
5888	"	"	"	"	24	s			10	10	11½		13	Sick & lack w
5889	"	"	"	"	22	s			10	10	12		3	
5890	"	"	"	Can.	18	s			10	10	12			
5891	"	"	"	Am.	21	s			10	10	9			Lack of work
5892	"	Bolt cutter	"	"	40	m	2		10	10	6		6	Sickness
5893	"	Tool setter	"	Ger.	38	s	2		10	10	12			
5894	"	Tool keeper	"	Am.	57	s	2		10	10	12			
6013	"	Fitter	"	Scotch	32	s	2		10	10	12			
6014	Saginaw	"	"	Can.	30	s			2	10	12			
6015	Battle Creek	Tank fitter	"	Am.	46	s	2	1	40	10	8		4	Sickness
6016	"	Helper	"	Can.	36	s			10	10	12			
6017	"	"	"	Am.	21	s			10	10	12			
6018	"	"	"	"	32	m	2		4	10	10			
6019	"	"	"	Can.	25	s	2		4	10	10		10	
6020	"	"	"	Am.	28	s	2		2	10	10			
6021	"	"	"	"	24	s			10	10	11		1	Lack of work
6022	"	Pump rep'r.	"	Scotch	40	m	2		2	10	10			
6023	Saginaw	Yard master	"	Irish	35	s	2		4	10	10			
6024	Grand Rapids	"	"	Am.	32	s	2		1	12	12			
6025	Owosso	"	"	"	32	s	2		1		12			
6026	Detroit	"	"	Can.	30	s	2	3	10	10	12			
6027	Lenox	"	"	Am.	23	s			10	10	12			
6028	Jackson	Yardman	"	"	36	s	2		10	10	12			
6029	Detroit	Switchman	"	Irish	24	s			10	10	10			
6030	Bay City	"	"	Am.	31	m	2	1	10	10	10		2	
6031	"	"	"	"	30	s	2		10	10	12			
6032	Pontiac	"	"	Ger.	30	s			10	10	12			
6033	"	"	"	Am.	35	s	2	1	10	10	12			
6034	Grand Rapids	"	"	"	27	s			12	12	12			
6035	"	"	"	"	31	s			12	12	12			
6036	Owosso	"	"	"	32	m	2	1			12			
6037	"	"	"	"	40	s	2	4			12			
6038	"	"	"	"	34	s					12			
6039	Grand Haven	"	"	"	30	m	2	1	14	11	12			
6040	"	"	"	"	26	s			14	11	12			
6041	Detroit	"	"	Irish	31	s	2	3	10	10	12			
6042	"	"	"	Can.	30	s	2	2	10	10	12			
6043	Battle Creek	"	"	Am.	40	s	2	1	12	12	12			
6044	"	"	"	"	30	s	2	1	12	12	11		1	Sick & lack w

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
9 1/2	day	\$1 35....	hr. 20c	mo.	\$352	\$15	\$352	\$10	neither	neither	no	same	worse
9 1/2	"	1 35....	"	"	423	438	438	10	inc. 10c day	increase	\$50	better	better
9 1/2	"	1 40....	"	"	396	396	396		neither	inc. 15c day	no	worse	same
9 1/2	"	1 65....	"	"	418	416	416		"	"	no	"	worse
10	"	1 65....	"	"	516	516	516		"	neither	"	same	better
10	"	1 50....	"	"	469	469	469		"	"	\$25	"	"
11	"	1 65....	"	"	516	516	516		"	"	50	worse	worse
12	mo.	47 00....	"	"	564	564	564		"	inc. 2%	no	"	"
10	"	45 00....	"	"	540	540	540		"	neither	"	"	"
9 1/2	day	2 00....	hr. 30c	"	626	626	626	10	inc. 25c day	"	"	better	
9 1/2	"	1 50....	hr. 22 1/2	"	391	391	391	10	neither	"	"	"	
9 1/2	"	1 75....	hr. 26c	"	521	521	521	10	inc. 25c day	"	"	"	better
10	"	1 85....	"	"	579	579	579		inc. 10c	inc. 10c day	"	same	same
9	"	2 50....	"	"	782	782	782	10	neither	peither	"		same
10	"	1 35....	"	"	391	391	391	10			"		
10	"	2 35....	1 1/2 tm.	"	736	736	736	10	inc. 10c day	inc. 10c day	no	same	better
10	"	2 35....	"	"	234	234	234	10	neither	neither	"	worse	
10	"	2 35....	"	"	672	672	672	10	"	inc. 10c day	"	same	same
10	"	1 25....	"	"	391	391	391		"	neither	"		
10	"	2 25....	1 1/2 tm.	"	545	536	536		"	"	no	same	worse
10	"	2 35....	"	"	736	761	761	10	inc. 10c day	increase	\$100	same	better
10	"	2 35....	"	"	736	736	736	10	inc. 10c	"	200	"	
10	"	2 40....	"	"	751	751	751		neither	dec. \$1 day	no	worse	worse
10	"	1 25....	"	"	391	391	391		"	"	"	same	same
10	"	1 25....	"	"	391	391	391		neither	neither	\$100	worse	worse
10	"	1 25....	"	"	391	391	391		"	"	no	same	better
10	"	1 25....	"	"	375	375	375		"	"	"	better	worse
10	"	1 25....	"	"	375	375	375		neither	neither	"	same	same
10	"	1 00....	"	"	313	313	313		"	"	"	"	
10	"	1 35....	"	"	298	298	298		"	"	"	"	better
10	"	1 50....	"	"	211	211	211		"	"	\$300	"	worse
10	"	1 25....	"	"	470	470	470	10	"	"	"	"	"
10	"	1 25....	"	"	391	391	391		"	"	no	"	"
10	"	2 70....	1 1/2 tm.	"	815	865	865	10	"	inc. 45c day	yes*	worse	
10	"	2 50....	"	"	691	691	691		"	inc. 25c	"	"	better
10	"	1 50....	1 1/2 tm.	"	312	312	312	10	"	neither	no	"	
10	"	1 50....	"	"	470	470	470		inc. 25c day	inc. 25c day	"	better	better
10	"	1 25....	"	"	391	391	391		neither	neither	"	same	same
10	"	1 50....	"	"	470	470	470	10	"	"	"	better	same
10	"	1 35....	"	"	423	423	423		inc. 10c day	inc. 10c day	\$100	worse	worse
10	"	1 50....	"	"	470	470	470		inc. 25c	decrease	100	same	"
10	"	1 25....	"	"	358	358	358		neither	neither	100	"	same
10	"	3 00....	"	"	939	939	939		"	"	yes*	worse	better
10	mo.	80 00....	"	"	960	960	960		"	"	"	worse	worse
12	day	60 00....	"	"	720	720	720		"	neither	"	"	"
10	day	2 35....	"	"	720	720	720		"	"	no	same	same
10	mo.	100 00....	yes*	"	1,300	1,200	1,200	10	"	"	"	better	better
10	"	40 00....	"	"	480	480	480		"	inc. 10c day	"	worse	worse
10	"	45 00....	"	"	540	540	540		"	neither	"	"	"
10	day	2 35....	hr. 27c	"	611	611	611		inc. \$2.50 mo.	inc. \$2.50 mo	yes*	better	better
10	"	2 00....	yes*	"	520	520	520	10	neither	neither	"	worse	worse
10	"	2 00....	"	"	626	626	626	10	"	"	"	"	"
10	"	1 25....	"	"	391	25	416	10	"	"	"	"	"
10	"	1 25....	"	"	391	40	431	10	"	"	\$50	"	"
12	"	1 75....	yes*	"	548	548	548	12 1/2	"	"	yes*	"	"
12	"	1 75....	"	"	548	548	548	12 1/2	"	"	\$120	"	"
12	"	1 75....	"	"	548	548	548		"	"	no	same	"
10	mo.	58 00....	"	"	696	696	696		"	"	"	worse	"
10	day	1 35....	"	"	423	423	423		"	"	\$100	"	"
12 1/2	"	2 35....	hr. 17c	"	704	704	704	11	"	"	100	"	"
12 1/2	"	1 75....	hr. 14c	"	548	45	593	12	"	"	no	"	"
10	"	2 30....	hr. 22c	"	689	689	689	10	inc. \$2.50 mo.	inc. \$2.50 mo	\$200	"	"
10	"	2 30....	yes*	"	689	689	689	10	neither	inc. \$2.50	no	better	better
12	"	1 35....	"	"	416	416	416		"	neither	"	same	same
12	"	1 35....	"	"	382	382	382		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No in family.		Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.			Months.	Days.	
6045	Pontiac	Switchman	G. T. R.	Am.	33	s			10	10	12		
6046					38	s			10	10	11		Vacation
6047	Owosso	"	"	Irish	24	s			10	10	11		Sickness
6048	Jackson	"	"	Am.	37	m		2	12	12	12	1	Lay off
6049	Sparta	Targetman	"	"	47	"		1	12	12	12		
6050	Cedar Springs	Signalman	"	"	28	"		1	12	12	12		
6051	Muskegon	Flagman	"	"	62	"		1	14	14	12		
6052	Bay City	"	"	Can.	50	w		4	12	12	12		
6053	Saginaw	"	"	Am.	70	m			16	16	12		
6054	"	"	"	Ger.	49	"			10	10	12		
6055	"	"	"	"	18	"			10	10	12		
6056	"	"	"	"	32	m		1	10	10	12		
6057	"	"	"	Pole	34	s			10	10	12		
6058	"	"	"	"	40	m		3	10	10	12		
6059	"	"	"	"	22	"			10	10	12		
6060	"	"	"	Can.	50	"		4	10	10	12		
6061	"	"	"	Irish	49	"		2	10	10	12		
6062	"	"	"	Pole	51	"		4	10	10	12		
6063	Pontiac	"	"	Eng.	50	"			10	10	12		
6064	Detroit	"	"	Irish	59	"		2	11½	11½	12		
6065	Battle Creek	"	"	Am.	52	"		2	10	10	12		
6066	"	"	"	"	67	"		3	10	10	12		
6067	Saginaw	Gateman	"	"	49	"		5	15	15	12		
6068	"	"	"	"	62	"		3	14	14	12		
6069	"	"	"	"	64	"		2	14½	14½	12		
6070	Lansing	"	"	"	51	"		9	13	13	12		
6071	Saginaw	"	"	Ger.	55	"		15	15	12			
6072	Detroit	Interlocker*	"	Am.	24	"		10	10	12			
6073	Bay City	"	"	"	25	"		2	10	10	12		
6074	"	Interlocker	"	Ger.	30	"		3	12	12	12		
6075	Saginaw	"	"	French	40	"		6	12	12	12		
6076	"	"	"	Am.	50	"		2	12	12	12		
6077	"	"	"	"	21	"			12	12	12		
6078	Detroit	Car inspect.	"	Eng.	38	"			12	12	12		
6079	Jackson	"	"	Am.	60	"		1	10	10	12		
6080	Muskegon	Wiper	"	"	27	"			10	10	12		
6081	"	"	"	"	21	s			10	10	12		
6082	"	"	"	Can.	25	m		1	12	12	12		
6083	Bay City	"	"	"	22	"			10	10	12		
6084	"	"	"	French	27	"		2	11	11	12		
6085	"	"	"	Irish	35	"		1	11	11	12		
6086	"	"	"	Can.	19	s			11	11	12		
6087	Grand Haven	"	"	Ger.	19	"			11	11	10	2	Lack of work
6088	Battle Creek	"	"	Am.	21	"			10	10	12		
6089	"	"	"	"	24	m		1	10	10	12		
6090	"	"	"	Eng.	37	"		2	10	10	11	1	Sickness
6091	"	"	"	Can.	49	"		4	10	10	12		
6092	"	"	"	Am.	63	"		2	10	10	12		
6093	"	"	"	Can.	35	"		4	10	10	12		
6094	Bay City	Hostler	"	Am.	25	"		1	11	11	12		
6095	"	"	"	Ger.	35	"		1	11	11	12		
6096	Grand Haven	"	"	Eng.	30	"		3	11	11	12		
6097	Saginaw	"	"	Am.	27	"		4	10	10	12		
6098	Windsor	Oiler	"	Can.	44	"		9	10	10	12		
6099	Battle Creek	Boiler wash.	"	Am.	28	"		1	10	10	12		
6100	Grand Haven	Car sealer	"	"	49	"		4	10	10	12		
6101	Detroit	"	"	Irish	48	"		5	10	10	12		
6102	"	"	"	"	28	s			10	10	12		
6103	Lenox	Watchman	"	Am.	25	w	1	1	12	12	9	3	Accident
6104	Detroit	"	"	Irish	50	m		1	10	10	7	5	Sickness
6105	Carson City	Pumper	"	Am.	31	"		1	10	10	12		
6106	Saginaw	Track fman	"	"	36	"		6	10	10	12		
6107	Battle Creek	"	"	"	45	"		4	10	10	12		
6108	Climax	"	"	Irish	32	s			10	10	11	1	
6109	Battle Creek	"	"	Am.	32	m		1	10	10	11½	12	Sickness
6110	"	"	"	Eng.	46	"		6	10	10	12		

* Foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 25	hr. 25c	mo.	\$387	\$48	\$435	10	neither	neither	\$100	same	same
10	"	1 25	"	"	359	8	367	10	"	"	no	"	"
10	"	1 65	"	"	474		474	10	increase	increase		worse	worse
12	mo.	40 00	"	"	450		450		neither	neither		same	same
12	day	1 00	"	"	365		365	12	"	"	no	same	same
12	mo.	35 00	hr. 9½c	"	420	15	435	12	"	neither	75	worse	worse
14	day	1 00	"	"	365		365		"	"	no	same	same
12	mo.	30 00	"	"	360		360		"	"	"	worse	worse
12	day	30 00	"	"	360		360		"	"	"	same	same
10	day	1 25	"	"	391		391		"	"	yes*	"	"
10	"	1 25	"	"	391		391		"	"	no	"	"
10	"	1 25	"	"	391		391		"	"	"	"	"
10	"	1 25	"	"	391		391		"	"	"	worse	worse
10	"	1 25	"	"	391		391		"	"	30	"	"
10	"	1 25	"	"	391		391		"	"	no	"	"
10	"	1 25	"	"	391		391		"	"	"	"	"
10	"	1 25	"	"	391		391		"	"	"	"	"
10	"	1 25	"	"	391		391		"	"	"	"	"
10	"	1 00	"	"	365		365		"	"	"	same	same
11½	mo.	35 00	"	"	420		420		"	"	"	"	same
10	"	30 00	"	"	360		360		"	"	"	worse	same
10	"	30 00	"	"	360		360		"	"	"	same	same
15	"	30 00	"	"	360		360		"	"	"	worse	same
14	"	30 00	"	"	360		360		"	"	"	same	same
14½	"	30 00	"	"	360		360		"	"	"	same	same
12	day	1 00	"	"	313		313		neither	neither	no	"	same
10	mo.	30 00	"	"	360		360		"	"	"	"	same
10	"	25 00	"	"	780		780		inc. \$15 mo.	no	"	worse	worse
12	"	30 00	"	"	420		420		neither	"	"	"	"
11	"	30 00	"	"	420		420		"	"	"	"	"
12	"	30 00	"	"	420		420		inc. \$5 mo.	"	"	"	"
12	"	35 00	"	"	420		420		neither	"	"	same	same
12	"	61 00	"	"	732		732		"	"	"	better	worse
10	day	1 50	"	"	469		469		neither	"	"	worse	same
10	mo.	55 00	"	"	660		660		"	"	"	same	same
10	"	55 00	"	"	660		660		"	"	"	"	same
12	"	55 00	"	"	660		660		"	"	yes*	"	"
10	"	40 00	"	"	480		480		"	"	no	worse	worse
11	day	1 25	"	"	391		391		"	"	"	"	"
11	"	1 25	"	"	391		391		"	"	"	"	"
11	"	1 25	"	"	391		391		"	"	"	"	"
10	"	1 35	"	"	351		351		"	"	"	same	same
10	"	1 25	"	"	391		391		"	"	"	"	"
10	"	1 25	"	"	391		391		"	"	"	worse	worse
10	"	1 35	"	"	423		423		"	"	"	same	"
10	"	1 12½	"	"	352		352		"	"	"	"	"
10	"	1 25	"	"	391		391		"	"	"	"	"
11	mo.	60 00	"	"	720		720		inc. \$10 mo.	"	"	worse	"
11	"	65 00	"	"	780		780		neither	"	"	"	"
11	"	60 00	hr. 20c	"	720		720		"	"	yes*	same	same
10	day	1 80	"	"	568		568		"	"	no	"	"
10	mo.	40 00	yes*	"	480		480	10	"	"	50	better	better
10	day	1 60	"	"	501		501		"	"	100	worse	worse
10	"	2 00	hr. 20c	"	626		626		neither	"	no	same	same
10	mo.	40 00	"	"	480		480		"	"	"	worse	"
12	day	32 00	yes*	"	384		384	10	"	"	"	same	same
10	mo.	31 00	"	"	292		292		"	"	"	"	"
10	"	40 00	"	"	217		217		inc. \$5 mo.	inc. \$5 mo.	100	same	better
10	day	1 75	"	"	480		480		neither	inc. 25c day	no	worse	worse
10	"	1 75	"	"	548		548	10	"	"	100	"	"
10	"	1 50	"	"	431	10	441	10	increase	"	no	"	"
10	"	1 75	hr 17½c	"	527	21	548	10	neither	"	100	same	"
10	"	1 50	"	"	470	88	558	10	"	"	no	worse	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nationality.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
6111	Battle Creek	Track f'man	G. T. R.	Am.	50	m	2	3	10	10	12			
6112	Muskegon			Can.	47		2	4	10	10	12			
6113	Armada	Trackman		Ger.	37		2		10	10	12			
6114	Edwardsburg			Am.	36		2		10	10	10			Sickness
6115	Fosters				24		2	3	10	10	12			
6116					21		2		10	10	12			
6117	Penn			Can.	25	s	2	2	10	10	11	1		Sickness
6118	Bellevue			Am.	26		2		10	10	12			
6119	Edwardsburg				24		2		10	10	9	3		Sick & l. of w.
6120					22	m	2	1	10	10	9	3		
6121	Edmore				27	s			10	10	11	1		Sickness
6122	Battle Creek				36	m	3	3	10	10	10	2		Lack of work
6123	Climax				22		2	4	10	10	10	2		
6124	Bellevue				36	s			10	10	12			
6125					39				10	10	10	2		Lack of work
6126	Climax				22	m	2	4	10	10	12			
6127	Edmore				21	s			10	10	11	1		Sickness
6128	Battle Creek			Eng.	36	m	2	2	10	10	11	1		Lack of work
6129	Clifford			Can.	27	s			10	10	12			
6130	Battle Creek				20				10	10	10	2		Sickness
6131				Am.	40	m	2	2	10	10	12			
6132				Can.	29	s	3	2	10	10	11	1		Sickness
6133				Am.	50	m	2	1	10	10	12			
6134					60		2	4	10	10	10	2		Sick & l. of w.
6135					20	s			10	10	12			
6136					22				10	10	12			
6137					35	m	2	3	10	10	11	1		Sickness
6138					31		2	2	10	10	12		8	
6139					30	s			10	10	12	10		Sickness
6140					33						12	5		
6141					35	m	2	6	10	10	12			
6142					31		2	3	10	10	12			
6143					33		2	3	10	10	12	5		Sickness
6144	Climax				40		2	2	10	10	11	1		Lack of work
6145	Battle Creek				28	s			10	10	12	10		Sickness
6169	Climax	Foreman			44	m	2	1	10	10	11	1		
6170	Capac	Sec. foreman		Irish	48		2	5	10	10	12			
6171					20	s			10	10	12			
6172	Carson City			Eng.	42	m	4	6	10	10	12			
6173	New Haven			Ger.	43		2	6	10	10	12			
6174	Fraser				44		2	6	10	10	12			
6175	Armada				22	s			10	10	12			
6176	Charlotte			Eng.	54	m	5	2			12			
6177				Scotch	62		10		10	10	12			
6178	Jackson			Irish	44		2	3	10	10	12			
6179	Lansing			Am.	32		2	3	10	10	12			
6180	Sparta				50		2	5	10	10	12			
6181	Muskegon			Hol.	35		2	2	10	10	12			
6182	Fosters			Irish	38		2	1	10	10	12			
6183	Grand Rapids			Am.	42		2	3	10	10	12			
6184	Owosso			Eng.	50		2	3			12			
6185	Birmingham			Am.	37		2	3	10	10	12			
6186	Edwardsburg				38		2	2	10	9	12			
6187	Battle Creek				40		2	2	10	10	12			
6188	Climax				43		2	3	10	10	12			
6189	Battle Creek			Scotch	42		2	4	10	10	12			
6190	Climax			Am.	48		2		10	10	12			
6191	Lenox			Ger.	43		2	4	10	10	12			
6192					58		2	1	10	10	12			
6193	Lansing			Irish	27		2		10	10	12			
6194	Carson City	Sectionman		Eng.	21	s			10	10	12			
6195				Am.	27	m	2	1	10	10	12			
6196	Owosso				26	s					11	1		Sickness
6197	Charlotte				43	m	4	1	10	10	11	1		Lack of work
6198					30		2	1	10	10	11	1		
6199					32		2	3	10	10	11	1		

Railway employes.

Average hours on duty.	Regular time.		Over- time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any in- crease or decrease in wages during the past year. If so, how much.	Has there been any in- crease or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per.	Am't per			Regul. time.	Overtime.	Total.						
10	day	\$1 50		mo.	\$470		\$470	10	neither	neither	no	worse	worse
10	"	3 00		"	626		626	10	"	"	yes*	same	same
10	"	1 10		"	844		844	10	"	"	no	"	"
10	"	1 10		"	266		266	10	"	"	"	worse	"
10	"	1 10		"	344		344	13	neither	"	\$23	"	worse
10	"	1 10		"	344		344	13		"	no	same	same
10	"	1 10		"	315	\$8	\$21	10	"	"	50	worse	worse
10	"	1 10		"	314		314	10	"	"	"	"	"
10	"	1 10		"	257	5	262	10	"	"	no	"	"
10	"	1 10		"	257		257	10	"	"	"	"	"
10	"	1 10		"	316	4	320	10	"	"	"	"	"
10	"	1 10		"	286	3	289	10	"	"	90	"	"
10	"	1 10		"	286		286	10	"	"	no	"	"
10	"	1 10		"	314	5	319	10	"	"	"	"	"
10	"	1 10		"	286	6	292	10	"	"	"	"	"
10	"	1 10		"	344		344	10	"	"	60	"	"
10	"	1 10		"	316	3	319	10	"	"	no	"	"
10	"	1 10		"	316	5	321	10	"	"	70	"	"
10	"	1 10		"	344	8	352	10	"	"	no	"	"
10	"	1 10		"	286		286	10	"	"	"	"	"
10	"	1 10		"	344		344	10	"	"	no	"	"
10	"	1 10		"	316		316	10	"	"	"	"	"
10	"	1 10		"	344		344	10	"	"	"	"	"
10	"	1 10		"	287		287	10	"	"	"	"	"
10	"	1 10		"	344		344	10	"	"	"	"	"
10	"	1 10		"	344	5	349	10	"	"	"	"	"
10	"	1 10		"	316	5	321	10	"	"	"	"	"
10	"	1 10		"	336	5	341	10	"	"	"	"	"
10	"	1 10		"	333		333	10	"	"	"	"	"
10	"	1 10		"	339		339	10	"	"	"	"	"
10	"	1 10		"	344		344	10	"	"	"	"	"
10	"	1 10		"	344	5	349	10	"	"	"	same	"
10	"	1 10		"	339	4	343	10	"	"	"	worse	"
10	"	1 10		"	316	3	319	10	"	"	"	"	"
10	"	1 10		"	333	5	338	10	"	"	"	"	"
10	"	2 50		"	715		715	12	"	"	75	"	same
10	"	1 50		"	469		469	10	"	"	no	"	"
10	"	1 50		"	469		469	10	"	"	"	"	"
10	"	1 50		"	469	10	479	10	"	"	"	same	"
10	mo.	38 50		"	462		462	10	"	"	50	"	"
10	"	38 50		"	462		462	10	"	"	no	"	better
10	"	38 50		"	462		462	10	"	"	"	"	"
10	day	1 50	yes*	"	469	39	508	10	neither	"	75	"	same
10	"	1 50	hr 15c	"	469	89	508	10		"	"	"	"
10	mo.	68 00		"	780		780	10	"	"	100	"	better
10	day	1 50	hr 15c.	"	469	20	489	10	"	"	50	"	same
10	"	1 50		"	469		469	10	"	"	no	"	"
10	mo.	50 00		"	610		600	10	"	"	no	same	same
10	day	1 50		"	469		469	10	"	"	no	worse	worse
10	mo.	45 00		"	540		540	10	"	"	no	same	"
10	day	1 50		"	469		469	10	decrease neither	"	"	same	"
10	"	1 50		"	469		469	12		"	no	worse	worse
10	"	1 50		"	469		469	10	"	"	"	same	same
10	"	1 75		"	547	10	557	10	"	"	80	worse	worse
10	"	1 75		"	547	10	557	10	"	"	100	worse	worse
10	"	1 50		"	469	15	484	10	"	"	no	"	"
10	"	1 75		"	547	15	562	10	"	"	no	"	"
10	"	1 47		"	459		459	10	"	"	"	"	"
10	mo.	38 00		"	456		456	10	"	"	50	"	"
10	day	1 50	hr. 15c	"	469	39	508	10	dec. 15c day	"	no	same	worse
10	"	1 10		"	344	8	352	10		"	"	"	"
10	"	1 10		"	344	7	351	10	"	"	"	worse	"
10	"	1 10		"	315		315	10	neither	"	"	"	"
10	"	1 10	hr 11c	"	315	26	341	10		"	"	worse	"
10	"	1 10		"	315	26	341	10	"	"	"	"	worse
10	"	1 10	hr 11c	"	315	26	341	10	"	"	"	"	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
6200	Charlotte	Sectionman	G. T. T.	Am.	35	m	2	2	10	10	8	4	1	Lack of work
6201	"	"	"	"	35	s	2	4	10	10	11	1	1	"
6202	"	"	"	"	35	s	2	4	10	10	11	1	1	"
6203	Jackson	"	"	Irish	57	m	2	3	10	10	12			"
6204	"	"	"	Am.	28	s	2	3	10	10	12			"
6205	"	"	"	Ger.	28	s	2	3	10	10	12			"
6206	"	"	"	Irish	28	m	2	3	10	10	12			"
6207	"	"	"	"	30	s	2	3	10	10	12			"
6208	"	"	"	"	16	m	2	3	10	10	12			"
6209	Lansing	"	"	Am.	53	s	2	2	10	10	12			"
6210	"	"	"	Pole	37	s	2	2	10	10	12			"
6211	"	"	"	Am.	16	s	2	2	10	10	4	8		Other business
6212	"	"	"	"	20	m	2	2	10	10	12			"
6213	"	"	"	Irish	40	"	2	3	10	10	12			"
6214	"	"	"	Ger.	30	"	2	3	10	10	9	3		Lack of work
6215	"	"	"	"	36	"	2	3	10	10	10	3		"
6216	"	"	"	"	29	"	2	3	10	10	7	5		Lack of work
6217	"	"	"	"	29	"	2	4	10	10	9	3		"
6218	"	"	"	"	33	s	2	3	10	10	12			"
6219	Lenox	"	"	"	28	m	2	2	10	10	12			"
6220	"	"	"	"	29	"	2	2	10	10	12			"
6221	"	"	"	"	31	"	2	3	10	10	12			"
6222	"	"	"	"	30	"	2	3	10	10	12			"
6223	"	"	"	"	23	s	2	4	10	10	12			"
6224	"	"	"	"	44	m	2	2	10	10	12			"
6225	"	"	"	"	28	"	2	2	10	10	12			"
6226	"	"	"	"	26	"	2	1	10	10	12			"
6227	"	"	"	"	43	"	2	1	10	10	12			"
6258	Bay City	Car cleaner	"	Swede	40	"	2	4	10	10	12			"
6259	Grand Haven	"	"	Eng.	70	"	2	4	11	11	12			"
6260	Owosso	"	"	Am.	48	"	2	2	11	11	12			"
6261	Muskegon	"	"	Irish	52	w	1	1	12	12	12			"
6262	Detroit	"	"	Ger.	21	m	1	1	10	10	12			"
6263	"	"	"	"	27	"	1	1	10	10	12			"
6264	"	"	"	"	49	s	1	1	10	10	12			"
6265	"	"	"	"	51	m	1	4	10	10	12			"
6266	"	"	"	"	40	"	1	7	10	10	12			"
6267	"	"	"	"	42	"	1	6	10	10	12			"
6268	"	"	"	"	32	s	1	1	10	10	12			"
6269	"	"	"	"	38	m	1	2	10	10	12			"
6270	"	"	"	"	28	s	1	1	10	10	12			"
6271	"	"	"	"	33	m	1	3	10	10	12			"
6272	"	"	"	"	28	s	1	1	10	10	12			"
6273	"	Coal handler	"	Pole	28	s	1	2	10	10	12			"
6274	Owosso	"	"	Eng.	44	m	1	7	12	12	12			"
6275	Grand Haven	"	"	Ger.	25	"	1	4	12	12	12			"
6276	"	Frt. house*	"	"	45	"	1	4	10	10	12			"
6277	Grand Rapids	Ware house*	"	Am.	46	"	1	4	12	12	12			"
6278	Saginaw	"	"	"	46	"	1	1	10	10	12			"
6279	Muskegon	"	"	Can.	39	"	1	3	10	10	12			"
6280	Detroit	Frt. handler	"	Am.	28	s	1	1	12	12	12	6		Sickness.
6281	"	"	"	Can.	29	"	1	1	12	12	12			"
6282	Saginaw	Warehous'm	"	Am.	35	m	1	4	10	10	12			"
6283	Muskegon	"	"	Eng.	35	"	1	4	10	10	12			"
6284	Owosso	Frt.house m	"	Am.	21	s	1	1	10	10	12	6		Lack of work
6285	Jackson	"	"	"	26	"	1	1	10	10	12			"
6286	Grand Haven	"	"	"	34	"	1	1	10	10	12			"
6287	"	"	"	"	21	s	1	1	8	8	10	2		Lack of work
6288	"	"	"	"	32	m	1	1	8	8	8	3		"
6289	"	"	"	Irish	45	"	1	2	8	8	8	4		"
6290	"	"	"	Am.	23	s	1	1	10	10	12			"
6291	"	"	"	Swede	35	m	1	1	8	8	9	2		Lack of work.
6292	"	"	"	Am.	28	s	1	1	8	8	9	3		"
6293	"	"	"	Swede	37	"	1	1	8	8	9	3		"
6294	"	"	"	Irish	28	"	1	1	7	7	9	3		"
6295	Owosso	"	"	Hol.	34	"	1	1	7	7	12			"

* Foreman.

Railway employees.

[illegible]

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.				Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.			Months.	Days.	
6296	Detroit	Frt. handler	G. T. R.	Eng.	30	m	2	4	10	10	13				
6297	"	"	"	Ger.	43	s	2	4	10	10	13				
6298	"	"	"	Am.	21	s		10	10	10	13				
6299	"	"	"	"	29	s		10	10	10	13	9			Lack of work
6300	"	"	"	Belg.	21	s		10	10	10	13				
6301	"	"	"	Can.	45	m	2	1	10	10	13		3		Lack of work
6302	"	"	"	Eng.	44	s	2	2	18	10	13				
6303	"	"	"	Dane	30	s	2	2	10	10	13		3		
6304	"	"	"	Irish	33	s		10	10	10	13				
6305	"	"	"	Can.	28	s		10	10	10	13				
6306	"	"	"	Am.	32	m	2	10	10	10	13	4			Lack of work
6307	"	"	"	"	24	s		10	10	10	13				
6308	"	"	"	"	34	s		10	10	10	13				
6309	"	"	"	Can.	28	m	2	2	10	10	13				
6310	"	"	"	"	36	s	2	1	10	10	12				
6311	"	"	"	"	40	s		10	10	10	12				
6312	"	"	"	Am.	36	m	2	2	10	10	12				
6313	"	"	"	"	50	s		10	10	10	12				
6370	Port Huron	Laborer	"	Ger.	35	m	2	4	9	10	12		5		Pleasure
6371	"	"	"	Can.	55	w	1	9	10	10	11½		12		Sickness
6372	"	"	"	"	30	m	2	1	9	10	12		6		Lack of work
6373	"	"	"	Ger.	60	s	4	9	10	12			3		Sickness
6374	"	"	"	Can.	49	s	2	2	10	10	6		6		Lack of work
6375	"	"	"	Am.	48	s	2	4	10	10	12		10		Injury
6376	"	"	"	Ger.	34	s	2	5	9	10	12		2		Business
6377	"	"	"	Eng.	59	s	2	1	9	10	11½		12		Sickness
6378	"	"	"	Can.	43	s	2	2	9	10	10		2		Injury
6379	"	"	"	Eng.	40	s	2	2	9	10	12				
6380	"	"	"	Can.	53	s	2	8	10	10	12		6		Sickness
6381	Battle Creek	Roadmaster	"	Scotch	46	s	2	2			12				
6382	Jackson	Teamster	"	Am.	37	s	2	1	10	10	12				
6383	"	"	"	"	32	s		10	10	10	12				
6384	"	"	"	"	25	s		10	10	10	12				
6385	"	"	"	"	44	m	2	10	10	10	12				
6386	Battle Creek	Surveyor	"	"	24	s		10	10	10	12				
6387	Detroit	Car insp'r.	"	Eng.	45	m	2	5	10	10	12				
6388	Saginaw	Ticket insp.	"	Am.	39	s		12	12	12	12				Pleasure
6389	"	Bridge tndr.	"	"	30	s			12	12					
6390	Detroit	Checker	"	Eng.	55	m	2	3	10	10	12				
6391	Grand Rapids	Porter	"	Am.	48	s	2	2	10	10	12				
6392	Clarkston	"	"	Can.	19	s		12	12	12	12				
6393	Birmingham	"	"	Am.	62	m	2	12	12	12	12				
6394	Grand Haven	"	"	Ger.	42	s	2	7	12	13	12				
6395	Detroit	"	"	Irish	42	s	2	4	10	10	12				
6396	New Haven	"	"	Am.	24	s		10	10	10	3		9		
6397	Port Huron	"	"	Ger.	54	m	2	5	10	10	12				
6398	Cassopolis	"	"	Am.	28	s		12	12	12	12				
6399	Corunna	"	"	"	19	s		13	13	13	12				
6400	Battle Creek	Caller	"	Eng.	24	s		10	10	10	12				
6401	"	"	"	Am.	26	s		10	10	10	12				
6402	"	"	"	"	18	s		10	10	10	12				
6403	"	"	"	"	33	m	2	12	12	12	12				
6404	"	"	"	"	38	s	2	1	12	12	11½		14		Vacation
6405	Detroit	Lampman	"	Can.	18	s		10	10	10	11		1		
6406	"	"	"	Am.	19	m	2	12	12	12	12				
6407	Battle Creek	"	"	"	26	s	2	1	10	10	12				
6408	Grand Rapids	Storekeeper	"	"	38	s	2	1	10	10	12				
6409	Port Huron	"	"	Can.	30	s	2	1	9	9	12				
6410	Pontiac	Wheel wash	"	Am.	50	s	2	5		10					
6412	Detroit	Conductor	Wabash	Can.	35	m	2	4			10½		1½		Sickness
6413	"	"	"	Am.	29	s	2	12	12	10	1				Rest
6414	"	"	"	"	29	s	2	1			11		1		Sickness
6415	"	"	"	"	25	s		8	8	12					
6416	Fort Gratiot	Engineer	"	"	30	s					12				
6417	Detroit	"	"	Irish	37	s		11	11	10	2				Sickness

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	mo.	\$31 00		mo.	\$372		\$372	10	neither	neither	no	worse	same
10	"	32 00	yes*	"	384		384	10	"	"	"	better	same
10	"	31 00	"	"	372	\$25	397	10	"	"	"	same	better
10	"	31 00	"	"	98		98	10	"	"	"	same	same
10	"	31 00	yes*	"	372		372	10	"	"	"	"	"
10	"	31 00	"	"	279		279	10	"	"	"	worse	worse
10	"	31 00	"	"	372		372		"	"	"	same	same
10	"	31 00	yes*	"	280		280	10	"	"	"	worse	worse
10	"	31 00	"	"	372	35	407	10	"	"	"	same	same
10	"	31 00	"	"	372	40	412	10	"	"	"	worse	"
10	"	31 00	"	"	248		248	10	"	"	"	"	"
10	"	31 00	"	"	372	35	407	10	"	"	"	"	"
10	"	31 00	"	"	372	35	407	10	"	"	"	better	better
10	"	31 00	"	"	372	35	407	10	"	"	"	same	"
10	"	31 00	"	"	372	70	442	10	"	"	"	worse	worse
10	"	31 00	"	"	372		372		"	"	"	better	better
10	"	31 00	yes*	"	372	35	407	10	"	"	"	same	worse
10	"	31 00	"	"	372	35	407	10	"	"	\$200	better	"
9 1/4	day	1 25		"	385		385		"	"	no	same	same
9 1/4	"	1 25	hr 18 1/2 c	"	376		376	10	"	"	"	"	"
9 1/4	"	1 25	yes*	"	384	10	394	10	"	"	"	"	"
9 1/4	"	1 50	"	"	465		465		"	"	"	"	"
10	"	1 25	"	"	195		195		"	"	"	"	"
10	"	1 25	"	"	379		379		"	"	"	"	"
9 1/4	"	1 25	"	"	389		389		neither	dec. 50c day	"	"	same
9 1/4	"	1 25	yes*	"	452	5	457	10	"	"	"	worse	worse
9 1/4	"	1 40	"	"	364		364		inc. 15c day	"	"	"	"
9 1/4	"	1 50	"	"	461		461		neither	"	"	same	"
9 1/4	"	1 25	"	"	414		414		"	"	"	"	"
10	mo.	110 00		"	1,320		1,320		"	"	"	"	"
10	day	1 50	"	"	470		470		neither	"	no	same	better
10	"	1 50	"	"	470		470		"	"	"	better	"
10	"	1 50	"	"	470		470		"	"	"	same	same
10	"	1 50	"	"	470		470		"	"	"	"	"
10	"	2 00	"	"	626		626		"	"	"	"	"
10	mo.	42 00	"	"	504	50	554	10	dec. \$25 mo	neither	\$300	worse	worse
12	"	50 00	"	"	590		590		"	"	"	"	"
10	"	35 00	"	"	420		420		neither	"	"	"	worse
10	day	45 00	"	"	540		540		"	"	"	worse	"
12	"	1 25	yes*	"	390		390	10 1/2	"	"	"	"	"
12	"	1 00	"	"	313		313		inc. 50c day	"	"	better	better
12	"	1 00	"	"	313		313	12	neither	"	"	"	"
12	"	1 50	"	"	470		470		"	"	"	same	same
10	mo.	31 00	"	"	372	35	407	10	"	"	"	worse	worse
10	day	1 15	"	"	90		90		"	"	"	better	"
10	"	1 75	"	"	548		548		inc. 5%	yes*	same	better	"
12	mo.	30 00	"	"	360		360		inc. \$1 day	no	"	worse	"
12	"	20 00	"	"	360		360		neither	"	"	same	same
12	day	1 25	"	"	391		391		"	"	no	same	same
10	"	1 50	"	"	470		470		"	"	"	worse	worse
10	"	1 50	"	"	470		470		"	"	"	same	better
12	"	1 00	"	"	500		500		neither	"	"	same	"
12	mo.	45 00	"	"	518		518		inc. \$3 mo.	inc. \$6 mo.	"	worse	"
10	"	35 00	yes*	"	384		384	10	inc. 10c day	inc. 10c day	"	same	"
12	"	45 00	"	"	540		540	12	neither	"	"	better	"
10	day	1 25	"	"	391		391		"	"	\$150	"	"
10	"	1 12	yes*	"	350		350	10 1/2	"	increase	no	worse	worse
9	mo.	65 00	"	"	780		780		inc. 5%	yes*	\$250	same	"
10	"	52 00	"	"	520		520		dec. 25c day	dec. 25c day	no	worse	worse
12	"	100 00	"	"	1,060		1,060		neither	neither	\$300	same	same
8	"	100 00	"	"	1,100		1,100		"	"	no	worse	worse
12	"	100 00	"	"	1,100		1,100		"	"	\$150	same	same
12	"	85 00	"	"	1,020		1,020	12	"	"	200	better	better
11	"	110 00	"	"	1,320		1,320		"	"	400	same	same
11	"	85 00	"	"	850		850		"	inc. \$10 mo.	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
6418	Detroit	Engineer	Wabash	Can.	52	w	1	10	10	8	6	6		Sickness
6419	"	"	"	"	40	m		1	11	11	11	1		Recreation
6420	"	"	"	Am.	27	"		2	12	12	12			
6421	"	"	"	"	33	"		3			11	1		Sickness
6422	"	"	"	Irish	26	"		1	12	12	11½			"
6423	Windsor	"	"	Am.	29	"		12	12	8	11	1		"
6424	Detroit	"	"	"	32	"		3	11	11	11	1		"
6425	"	"	"	"	63	"		1			8			"
6426	"	"	"	Can.	35	s		12	12	12	12			
6427	"	"	"	Am.	22	"		12	12	12	11	1		Resting
6428	"	"	"	"	23	"		12	12	12	11	1		Vacation
6449	"	Fireman	"	Can.	31	w	1	2			11			
6450	"	"	"	Irish	26	s		1	11	12	12			
6451	"	"	"	Can.	25	m	3	1	12	12	10			
6452	Delray	"	"	Am.	24	s		1	10	10	12			Lack of work
6453	Detroit	"	"	"	29	m		1	6	6	12			
6454	"	"	"	"	25	s			11	11	12			
6455	"	"	"	"	21	"		6	6	6	12			
6456	Delray	"	"	"	34	m		1	12	12	12			
6457	Springwells	"	"	"	24	"		1	12	12	12			
6458	Detroit	"	"	Can.	35	s		11	11	12	12			
6459	"	"	"	Am.	23	"		12	12	12	12			
6460	Delray	"	"	Scotch	23	"		6	6	6	12			
6461	Detroit	"	"	Am.	25	"		8	8	8	12			
6462	"	Brakeman	"	"	26	"					12			
6463	"	"	"	"	24	"		12	12	12	12			
6464	"	"	"	"	24	"					12			
6465	"	"	"	"	25	"		9	9	9	12			
6466	"	"	"	Irish	25	"		9	9	9	12			
6467	"	"	"	Am.	21	"		9	9	9	12			
6468	"	"	"	"	24	m	1	9	9	12	12			
6469	"	"	"	"	21	s		11	11	12	12			
6470	"	Baggage-man	"	"	45	m	2	1			12			
6471	"	"	"	"	68	s		15	15	12	12			
6472	"	"	"	"	45	"					12			
6473	"	"	"	"	27	"		11	11	11	1			
6474	"	"	"	"	39	m		1	8	8	12			
6475	"	"	"	"	25	s		12	12	12	12			
6476	"	Agent	"	"	55	m		2	12	12	12			
6477	Milan	"	"	"	81	"		3	12	12	2			
6478	Sand Creek	"	"	"	55	"		3	12	12	2			
6479	Raisin Centre.	"	"	"	54	s		12½	12½	12	12			
6480	Adrian	"	"	"	50	"		10	10	12	12			
6481	Belleville	"	"	"	53	"					12			
6482	Delray	Operator	"	"	24	"		12	12	12	12			
6483	Detroit	"	"	Irish	42	m		4	12	12	7			
6484	Delray	"	"	Scotch	35	"	1	10	10	12	5			Sickness
6485	Adrian	"	"	Am.	20	s		12	12	12	12			
6486	Detroit	Cashier	"	Can.	27	"		9	9	12	12			
6487	"	"	"	"	30	"		8	8	12	12			
6488	"	"	"	"	30	"		9	9	12	12			
6489	"	Accountant	"	Am.	22	"		8	8	12	12			
6490	"	Clerk	"	"	21	"		10	10	12	12			
6491	"	"	"	Can.	25	"		1	9	9	12			
6492	"	"	"	Am.	34	m	2	1	9	9	12			
6493	"	"	"	"	39	s		9	9	12	12			
6494	"	"	"	"	34	"		9	9	12	12			
6495	"	"	"	Can.	15	"		9	9	12	12			
6496	"	"	"	Am.	16	"		9	9	12	12			
6497	"	"	"	"	82	"		9	9	12	12			
6498	"	"	"	Can.	35	"		10	10	12	12			
6499	"	"	"	"	32	m		10	10	12	12			
6500	"	"	"	"	21	s		10	10	12	12			
6501	"	"	"	Am.	20	"		8	8	12	12			
6502	"	"	"	Can.	28	m	2	3	10	10	12			
6503	"	"	"	Am.	19	s		12	12	12	12			
6508	"	"	"	Swiss	31	m	2	2	11	11	12			

Railway Employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$3 50		mo.	\$546		\$546	14	neither	neither	no	worse	worse
11	mo.	110 00			1,210		1,210				\$300		
12		90 00			1,050		1,050				100	same	same
11½		120 00	hr. 27c		1,320	\$25	1,345				500		
12		90 00	27c		1,035		1,035				no		
12		90 00			727	7	734						
11		90 00	hr. 27c		980	20	1,010				200		
12		100 00			800		800				no		
12		90 00			990		990				150	worse	worse
12		90 00	hr. 27c		990	5	995	12½				better	better
12		99 00	27c		990		990	12½			200	same	same
		60 00			690		690						
11		88 00			696		696				100	worse	worse
12	day	1 65			516		516	12½		inc. \$5 mo.		same	same
12	mo.	35 00	yes*		550		550	12		neither	yes*		
10		34 00			408		408	10				worse	
6		75 00			900		900	12			100	better	better
11		48 00			576		576	11				same	same
6		65 00			750		750	12				better	better
12		52 00			624		624	12		neither	100		
11		75 00			900		900				yes*		
12		48 00	yes*		576		576	12			50	same	same
6		75 00			900		900	12			100	same	
8		86 00			1,020		1,020				100	better	better
		55 00			660		660				150	same	same
12		55 00			660		660						
		35 00			660		660						
9		60 00	yes*		720		720				400	better	better
9		60 00			720		720	11		inc. \$10 mo.		same	same
9		60 00			720		720	11		10			
11		35 00			660		660			neither	300	same	same
15		65 00			750		750				100		
15		65 00			750		750				225		
		51 00			532		532		dec. 5c day	dec. 5c day	150	same	same
11		60 00			660		660		neither	neither	150		
8		73 00			900		900		inc. \$5 mo.	inc. \$5 mo.	120	better	better
12		60 00			720		720		5	5	100	worse	worse
12	day	5 00			1,565		1,565		neither	neither		same	same
12		2 00			625		625				yes*		
12		1 00			52		52					better	better
12½	mo.	30 00			360		360						
10		80 00			960		960				200	worse	worse
		40 00			480		480				yes*		
12		50 00			600		600		inc. \$5 mo.	inc. \$5 mo.	150	same	same
12		60 00	yes*		720		720	12	neither	inc. \$5 mo.	no	same	same
10		75 00			525		525				100	worse	worse
12		50 00			600		600	12			200		
9		100 00			1,200		1,200			neither	100	same	same
8		85 00			1,020		1,020				900	better	better
9		75 00			900		900				no	same	same
8		55 00			660		660					worse	worse
10		50 00			600		600		inc. \$5 mo.			better	better
9		70 00			840		840	10	dec. \$5 mo.	dec. \$5 mo.	250	worse	worse
9		100 00			1,200		1,200	25	neither	neither	yes*	same	better
9		35 00			600		600	5	inc. \$10 mo.	inc. \$10 mo.	no		
9		80 00			420		420		neither			better	
9		60 00			360		360						
10		60 00			720		720		inc. \$10 mo.	inc. \$10 mo.	100	same	same
10		50 00			600		600	10			100	better	worse
10		60 00			720		720		5	inc. \$15 mo.	200	same	same
8		45 00			540		540		neither		75	same	same
10		70 00			840		840		inc. \$10 mo.	dec. \$5 mo.	no	worse	worse
12		50 00			600		600		neither	neither		same	same
11		40 00			480		480						

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
6504	Detroit	Clerk	Wabash	Am.	21	s			9	9	12			
6505	"	"	"	Can.	18	s			10½	10½	12			
6506	"	"	"	Am.	24	"			12	12	12			
6507	"	"	"	"	20	"			8	8	11½		18	
6508	"	"	"	"	21	"			9	9	12			
6509	Delray	"	"	"	32	m	2	1	10	10	12			
6510	Detroit	"	"	"	22	s			12	12	9		3	Lack of work
6511	"	"	"	"	24	"			12	12	12			
6512	Windsor	"	"	"	24	"			9	9	12			
6513	Springwells	"	"	Can.	28	"	2	2	12	12	12			
6514	Detroit	Checker	"	Am.	28	"	2	2	10½	10½	12			
6515	"	"	"	"	30	"	2	2	10	10	12			
6516	"	"	"	"	35	s			10	10	7		5	Lack of work
6517	"	"	"	"	27	"			10	10	12			
6518	"	"	"	Can.	20	"			12	12	12			
6519	"	"	"	"	30	m	2	2	12	12	12			
6520	"	"	"	Am.	38	s			10	10	12			
6521	"	"	"	"	34	"			10	10	12			
6522	Delray	"	"	"	24	m	2		10	10	12			
6523	Detroit	"	"	Irish	40	s			10	10	12			
6524	"	"	"	"	22	"			11½	11½	12			
6525	Adrian	Baggage man	"	Am.	19	"			11½	11½	12			
6526	Windsor	Shop fo man	"	"	28	"			8	9	12			
6527	Belleville	Carpenter	"	"	39	m	2	2	10	10	12			
6528	Detroit	"	"	"	40	"	2	2	10	10	12			
6529	"	"	"	"	34	"	2	2	10	10	12			
6530	Windsor	Car repairer	"	Can.	45	"	4	7	10	10	12			
6531	Detroit	"	"	Am.	22	s			10	10	11		1	Pleasure
6532	Delray	Machinist	"	Can.	39	m	2	4	9	9	11		1	Vacation
6533	"	"	"	Can.	39	"	2	4	9	9	12			
6534	Detroit	"	"	Am.	38	"	2		9	9	10		2	Sickness
6535	"	"	"	Can.	21	s			10	10	12			
6536	"	"	"	Irish	28	"			9	10	11		1	Pleasure
6537	"	"	"	Am.	34	m	2	2	8	8	11		1	Sickness
6538	"	"	"	Irish	21	s			8	9	11		1	"
6539	Belleville	Sta. engineer	"	Am.	56	m	2	2	14	13	12			
6540	Detroit	Boilermak'r	"	"	38	s			9	9	12			
6541	"	"	"	Irish	29	m	2	3	8	9	12			
6542	"	Yard master	"	Can.	38	"			2	10	10			
6543	"	"	"	Am.	26	"	2	3	12	12	12			
6544	"	Switchman	"	Can.	31	"	2		10	10	8		4	Sickness
6545	Delray	"	"	"	24	s			12	12	5		7	"
6546	Detroit	"	"	Am.	29	m	2	2	12	12	12			
6547	"	"	"	"	41	s			12	12	12			
6548	"	"	"	Irish	33	m	2	2	12	12	12			
6549	"	"	"	Am.	31	s			12	12	11		1	Vacation
6550	"	Flagman	"	Irish	60	m	2	5	12	12	12		12	Lack of work
6551	Raisin Center	Interlocker	"	Am.	66	s	2	2	12½	12½	12			
6552	Detroit	Car inspect.	"	"	49	m	2	3	10	10	12			
6553	Springwells	"	"	Ger.	37	"	2	4	12	12	12			
6554	Delray	Wiper	"	Am.	29	"	2	1	10	10	9		3	Lack of work
6555	Detroit	"	"	"	21	s			12	12	12			
6556	"	"	"	"	22	"			10	10	12			
6557	"	Hostler	"	"	22	"			12	12	8		4	Lack of work
6558	"	"	"	"	34	m	2	1	12	12	11		1	Sickness
6559	"	"	"	"	34	w	1	3	11	11	12			
6560	Delray	Boilermak'r	"	"	28	m	2	2	10	10	10		2	
6561	Detroit	Car sealer	"	"	17	s			10	10	12			
6562	"	Watchman	"	Can.	34	m	2	2	12	12	12			
6563	"	"	"	Ger.	26	"	2	2	12	12	12			
6564	"	Trackman	"	Am.	31	"	2	1	10	10	12			
6565	"	"	"	Ger.	36	"	2	2	10	10	8		4	Sickness
6566	"	"	"	"	29	s			10	10	12			
6567	"	"	"	Am.	26	m	2	2	9	9	12			
6568	Sand Creek	Sectionman	"	"	40	"	2	2	8	10	12		4	Vacation
6569	"	"	"	"	65	"	4		10	10	12		4	Other business

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than five years ago.	Are times better or worse than one year ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
9	mo.	\$35 00		mo.	\$680		\$680		inc. \$5 mo.	inc. \$35 mo.	\$50	better	better
10 1/4		40 00			480		480		neither	neither	no	same	same
12		55 00			680		680		inc. \$15 mo.	inc. \$15 mo.	180		better
8		50 00			567		567		" 10	" 5	30		
9		55 00			660		660		" 5	inc. \$5 mo.	30		
10		60 00			720		720		neither	dec. \$5 mo.	50		
12		40 00			360		360		inc. \$4 mo.	" 5	no		
12		45 00			540		540		" 10	dec. \$5 mo.	"	worse	worse
9		60 00			720		720		" 10	neither	"	better	
10 1/4		50 00			600		600		neither	neither	"	same	
10		35 00			420		420		"	"	"		
10		45 00			540		540		"	"	75	better	better
10		35 00			245		245		"	"	no	worse	worse
10		35 00			420		420		"	"	20		
12		50 00			600		600		"	neither	no	better	better
12		45 00			540		540		inc. \$5 mo.	neither	"	same	same
10		40 00			480		480		neither	neither	"	worse	worse
10		40 00			480		480		"	"	100	same	same
10		40 00			480		480		"	"	50	"	"
10		45 00			540		540		"	"	no	"	"
11 1/4		45 00			540		540		inc. \$5 mo.	neither	"	better	better
11 1/4		40 00			480		480		neither	"	200	worse	worse
8 1/2		78 00			986		936		"	inc. 75c day	400	same	same
10		65 00	yes*		780		780		"	dec. 15c day	no	"	"
10		65 00	"		780		780	10	"	" 15c	"	same	same
10		65 00	"		780		780	10	"	neither	300	"	"
10	day	1 40			438		488		"	"	no	worse	worse
10		1 40			402		402		"	"	"	same	same
9	mo.	75 00			825		825		dec. \$18 mo.	"	200	worse	same
9		65 00	yes*		780		780	10	neither	"	no	same	better
9		65 00	"		650		650	10	"	"	300	same	same
10		35 00	"		540		540	10	"	"	161	worse	"
9 1/4	day	2 25	hr. 25c		646		646	10	inc. 25c day	inc. \$1 day	150	same	same
8 1/4		2 75	" 32c		789	\$150	939	9	neither	" 1	300	better	better
8 1/4	mo.	46 00			508		508	9	inc. \$75 yr.	" 75c	no	"	"
12 1/4		45 00			540		540		neither	neither	yes*	"	"
9		65 00	yes*		780		780	10	"	"	"	same	same
8 1/4	day	2 75	hr. 32c		852	10	863	9	"	inc. 25c day	100	worse	"
10		3 00	hr. 32c		939		939		"	" \$15 mo.	500	same	"
12	mo.	100 00			1,200		1,200		"	neither	400	worse	worse
10		75 00	yes*		600		600	10	"	inc. 20%	125	same	"
12		65 00			225		225		"	"	no	"	same
12		90 00			1,080		1,080	12 1/4	"	neither	200	"	worse
12		90 00	hr. 27c		1,080		1,080	12 1/4	"	"	300	better	better
12		90 00	" 27c		1,080		1,080	12 1/4	"	"	no	worse	worse
12		90 00	" 27c		990		990	12 1/4	"	"	"	same	same
15		40 00			456		456		"	"	"	worse	worse
12 1/4		30 00			360		360		"	"	"	same	same
10		48 00	yes*		576		576	10	"	"	50	"	"
12		50 00	"		600		600	12	inc. \$5 mo.	inc. \$5 mo.	50	"	"
10		34 00	"		306		306	10	neither	neither	no	worse	worse
12		34 00	"		408		408	12	"	"	"	better	same
10		34 00	"		408		408	10	"	"	"	same	same
12		52 00	"		416		416	12	inc. 60c day	inc. 60c day	150	better	better
12	day	2 64			871		871		neither	neither	"	worse	same
11	mo.	50 00			600		600		"	neither	100	"	worse
10		33 00	yes*		396	80	476	10	"	neither	no	"	"
12		45 00			540		540		"	"	no	same	same
12		60 00			720		720		"	"	200	"	"
10		31 00			372		372		"	"	no	"	"
10		31 00			248		248		"	"	"	worse	worse
9		31 00			372		372		"	"	100	same	same
9		35 00			420		420		"	"	no	worse	worse
9		31 00			367		367		inc. 10c day	" 10c	yes*	same	same
10		31 00			367	10	377		"	increase	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
6570	Detroit.....	Car cleaner	Wabash	Eng.	26	s			10	10	10	2		Lack of work
6571	Adrian.....	Frt. handler	"	Am.	21	"			10	10	12			
6572	Detroit.....	"	"	Ger.	37	"			10	10	12			
6573	"	"	"	Irish	27	m			10	10	12			
6574	"	"	"	Can.	29	"			10	10	12			
6575	"	"	"	"	35	"			10	10	10 1/2	1	13	Lack of work
6576	"	"	"	Am.	29	"			10	10	12			
6577	"	"	"	Eng.	27	m		1	10	10	12			
6578	"	"	"	Irish	21	s			10	10	8	4		
6579	"	"	"	Eng.	40	m			11	11	12			
6580	"	"	"	Am.	25	s			10	10	11	1		Lack of work
6581	"	"	"	Irish	22	m			10	10	12			
6582	"	"	"	Am.	24	s			10	10	12			
6583	"	"	"	Irish	35	m			10	10	12			
6584	"	"	"	Scotch	33	"			10	10	12			
6585	"	"	"	Ger.	58	"			10	10	12			
6586	"	"	"	Can.	57	s			10	10	12			
6587	"	"	"	Irish	23	m			10	10	12			
6588	"	"	"	Can.	48	"		1	10	10	12			
6589	"	"	"	Am.	50	"		3	10	10	12			
6590	"	Stevedore	"	Ger.	28	"		2	10	10	12			
6591	Springwells.....	Laborer	"	"	34	"		5	12	12	10	2		Lack of work
6592	"	"	"	"	44	"		4	12	12	8	4		
6594	Kalamazoo.....	Conductor	M. C. R. R.	Am.	40	"	2	2	10	10	12			
6595	Jackson.....	"	"	"	36	"	2	2			12		5	Sickness
6596	"	"	"	"	32	s					11	1		"
6597	Detroit.....	"	"	"	36	m	2	2	12	12	12			
6598	Jackson.....	"	"	Irish	29	"	2	2			12	2		Sickness
6599	"	"	"	"	23	"	2	4			11 1/4		14	"
6600	"	"	"	Am.	43	"	2	6			10 1/4	1 1/4		"
6601	"	"	"	"	35	"	2	3			12			
6602	Ypsilanti.....	"	"	"	39	"	3	1	12	12	12			
6603	Wayne.....	"	"	"	45	"	1	1	12	12	7	5		Accident
6604	Dearborn.....	"	"	Ger.	38	"	2	2	12	12	12			
6605	Ypsilanti.....	"	"	Am.	38	"	2	3	12	12	12			
6606	Jackson.....	"	"	"	38	"	2	3			12			
6607	Detroit.....	"	"	"	36	"	2	3	9	9	12			
6608	Ypsilanti.....	"	"	Irish	38	"	2		10	10	12			
6609	"	"	"	Am.	34	"	2	2	12	12	12			
6610	Jackson.....	"	"	"	40	"	2				11 1/4	13		Sickness
6611	"	"	"	"	54	"	5				11	1		"
6612	"	"	"	"	37	s	1	1			12			
6613	"	"	"	"	25	m	2	2			11 1/4	13		Vacation
6614	"	"	"	"	29	"	2	1			11 1/4	20		Sickness
6615	"	"	"	Irish	28	s					12			
6616	"	"	"	Am.	25	m	2	3			12			
6617	Grand Rapids.....	"	"	Eng.	39	"	2	1			11	1		Vacation
6618	Jackson.....	"	"	Ger.	46	"	2	1			12			
6619	"	"	"	Irish	29	"	2				12			
6620	"	"	"	Am.	34	"	2	4			11 1/4	14		
6621	"	"	"	Ger.	32	s					10	2		Sickness
6622	"	"	"	Am.	36	m	2	3			12			
6623	"	"	"	"	32	"	2				12			
6624	"	"	"	Can.	29	s					12		2	
6625	"	"	"	Am.	45	m	2	4			12			
6626	"	"	"	"	41	"	2	2			12			
6627	"	"	"	"	44	s					12			
6628	"	"	"	"	28	m	2	1			12			
6629	"	"	"	"	33	"	2	2			10	2		Sickness
6630	"	"	"	"	49	"	3				12			
6631	"	"	"	"	34	s					12			
6632	"	"	"	"	34	"			18	13	12			
6633	"	"	"	"	50	m	2	1	10	10	12			
6634	"	"	"	"	58	"	2	1	10	10	12			
6635	"	"	"	"	29	"	2	1	13	13	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 25		mo.	\$325		\$325		neither	neither	no	same	same
10	mo.	40 00			480		480				\$100	worse	worse
10	"	31 00	yes*		372		372	10		neither	90	better	better
10	"	31 00			372	\$35	407	10			no	worse	worse
10	"	31 00			372	30	402	10		neither	"	"	"
10	"	31 00			325	25	350	10			"	"	"
10	"	31 00			372	30	402	10			"	"	"
10	"	35 00			420		420				"	same	same
10	"	25 00			280		280	10			"	"	"
11	"	33 00	yes*		396		396	11			"	same	same
10	"	31 00			341	30	371	10			"	"	"
10	"	31 00			372		372	10			"	"	"
10	"	31 00			372	35	407	10		neither	40	same	same
10	"	31 00			372	35	407	10			no	better	"
10	"	31 00			372		372	10			"	same	same
10	"	31 00			372	35	407	10			"	"	"
10	"	31 00			372	35	407	10			"	"	"
10	"	31 00			372	70	442	10			"	worse	worse
10	"	31 00			372	70	442	10			35	same	same
10	"	35 00			420		420				no	"	"
10	"	32 00	yes*		384		384	10			"	"	"
12	"	40 00			410		410				"	worse	worse
12	"	35 00			280		280				"	"	same
10	"	85 00	hr. 25c		1,020		1,020				200	"	"
12	"	75 00	yes*		888		888	13			no	better	
12	"	75 00	mi 2½c		825	88	913	13		inc. \$10 mo	200	"	
12	"	75 00			900	100	1,000	13		" \$3.33½ "	200	same	same
12	mile	02¾			840	160	1,000		inc. \$5 mo.	" 10 "	250	worse	worse
12	mo.	70 00			805	120	925	13	neither	neither	200	same	better
	"	75 00			752		752				no	worse	worse
12	"	75 00			900	120	1,020				yes*	same	same
12	"	65 00			780		780				100	worse	
12	"	58 00			581		581				no	"	
12	"	75 00			900		900				150	"	
12	"	75 00	yes*		900		900		neither	neither	400	worse	
12	"	85 00			1,020	120	1,140	13½	inc. \$10 mo.	inc. \$10 mo	no	"	worse
9	"	75 00			900		900	12	neither	neither	100	same	
10	"	75 00	hr. 30c		900		900	11½		inc. \$5 mo	no	better	better
12	"	65 00	" 30c		780		780	13		neither	"	worse	same
14	"	90 00	" 23c		1,084		1,084	15	inc. \$6.66 mo.	inc. \$6.66 mo	yes*	"	worse
14	"	90 00	" 25c		980		980	14½			200	"	"
12	"	75 00	mi 2½c		900		900		neither	increase	200	"	"
12	mile	02¾	hr. 25c		802	57	919	14½		inc. \$5 mo	100	"	"
12	"	70 00			786	60	846	14½		" 10 "	250	"	"
12	"	85 00	hr. 25c		1,020		1,044	13		" 10 "	300	same	worse
10	"	90 00	mi 2½c		1,080	24	1,080		inc. \$6.66 mo.	6.66 "	300	worse	
12	"	90 00			990		990	13	" 7.66 "	7.66 "	400	better	better
12	"	75 00			900		900	13	neither	neither	yes*	same	worse
12	"	85 00			1,020	40	1,080	13			300	"	better
12	"	85 00			977	20	997	13			200	"	worse
12	"	85 00			850	20	870	13			50	"	better
12	"	70 00			840	120	960	13			yes*	worse	worse
12	"	70 00			840	120	960	13			no	same	better
12	"	70 00			837	120	957	13			yes*	"	"
12	"	70 00			840	100	940	13			300	"	same
12	"	70 00			840		840	13			yes*	"	"
12	"	70 00			840		840	13			250	"	better
12	"	85 00			1,020	100	1,120	13			no	"	same
12	"	70 00			700		700	13			"	"	worse
12	"	70 00			840	130	960	13			yes*	"	"
12	"	70 00			840	120	960	13			200	"	same
13	"	85 00	hr 21½c		1,020		1,020	14			250	"	"
10	"	90 00	" 25c		1,080		1,080				"	"	"
10	"	90 00			1,080		1,080				yes*	"	better
13	"	75 00			900		900				"	better	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
6636	Jackson	Conductor	M. C. R. R.	Am.	38	m	2	1	12	12	11	1		
6637	"	"	"	"	37	"	2	2	10	10	12			
6638	"	"	"	"	38	"	2	2	12 1/4	12 1/2	11 1/2	21		Sickness
6639	"	"	"	"	63	"	3	13 1/2	13 1/2	13 1/2	12			
6640	"	"	"	"	37	"	1	13 1/2	13 1/2	13 1/2	12			
6641	"	"	"	"	37	"	2	4 13 1/2	13 1/2	13 1/2	12			
6642	"	"	"	"	27	s					12			
6643	"	"	"	"	34	m	2	2	13 1/2	13 1/2	12			
6644	"	"	"	"	51	"	2	2	8 13 1/2	13 1/2	12			
6645	"	"	"	"	30	"	2	1	13 1/2	13 1/2	12			
6646	"	"	"	"	35	"	2	2	13	13	12			
6647	"	"	"	"	37	"	2	2	13	13	11	1		
6648	"	"	"	"	26	s			13	13	12			
6649	"	"	"	"	28	m	2	2	13 1/2	13 1/2	12			
6648	"	Engineer	"	"	53	"	4	2	12	12	12			
6619	Owosso	"	"	"	60	"	2	3			12			
6620	Jackson	"	"	"	58	"	2	2	12	12	11 1/2	13		
6621	Saginaw	"	"	"	"	"	2	1	11	11	12			
6622	"	"	"	Irish	33	s			11	11	11 1/2	13		Resting.
6623	Detroit	"	"	Am.	35	m	2	3	12	12	12			
6624	"	"	"	"	32	s			12	12	12			
6625	Jackson	"	"	"	29	m	2	3	12	12	12			
6626	"	"	"	Am.	37	"	2	2			12			
6627	"	"	"	"	30	"	2	2			12			
6628	Saginaw	"	"	"	39	"	2	3			12			
6629	West Bay City	"	"	"	36	"	2	2	12	12	11	1		Sickness
6630	"	"	"	"	26	"	2	3	12	12	11 1/2	18		"
6631	Detroit	"	"	"	36	"	2	5	12	12	12			
6632	"	"	"	Can.	30	"	2	1	12	12	12			
6633	"	"	"	Am.	29	s			11	11	10	2		Resting.
6634	"	"	"	"	32	m			4	12	12	7		Holidays
6635	"	"	"	"	22	s			12	12	12			
6636	"	"	"	"	40	"			12	12	12			
6637	"	"	"	Irish	39	m	2	3	12	12	12			
6638	Marshall	"	"	Am.	21	s			10	10	12			
6639	Jackson	"	"	"	39	m	2	1			12			
6640	"	"	"	"	33	"	2	1			12			
6641	"	"	"	"	39	"	2	1			12			
6642	"	"	"	"	35	"	2	1			12			
6643	"	"	"	Eng.	43	"	2	1			12			
6644	"	"	"	Am.	29	s					11 1/2	13		Sickness
6645	"	"	"	"	29	m	2				12			
6646	"	"	"	"	32	"	2	2			12			
6647	"	"	"	"	40	"	2	4			12			
6648	"	"	"	"	30	s					11 1/2	13		Sickness
6649	"	"	"	"	34	m	2	2			12	7		"
6650	"	"	"	Am.	30	"	2				12			
6651	"	"	"	"	40	w	1	3			11 1/2	13		
6652	"	"	"	"	45	m	2	1			12			
6653	"	"	"	Irish	37	"	2				12			
6654	"	"	"	Am.	40	s					11	1		
6655	"	"	"	"	34	m	2	2			12			
6656	"	"	"	"	32	"	2	5			12			
6657	"	"	"	"	40	"	2	3	12	12	12			
6658	"	"	"	"	42	"	2	1			11	1		
6659	"	"	"	"	42	"	2	2			12	2		
6660	"	"	"	"	30	"	2	2			12			
6661	"	"	"	"	50	"	2	2			11	1		
6662	"	"	"	Am.	32	"	2	1			12			
6663	"	"	"	"	40	"	2	1			13			
6664	"	"	"	"	36	"	2		10	10	11	1		
6665	"	"	"	"	37	"	2	2	12	12	10	2		Sick. and rest.
6666	"	Fireman	"	"	31	s			13	13	12			
6667	"	"	"	"	32	m	2		12	12	12			
6668	"	"	"	"	30	s			13	13	12			
6669	"	"	"	"	23	m	2		13	13	12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
12	mo.	\$85 00	hr. 25c	mo.	\$985		\$935		neither	neither	yes*	worse	worse
10	"	99 00	25c	"	1,050		1,080		"	"	same	same	better
12 1/4	"	65 00	"	"	780		780		"	"	"	"	same
12 1/4	"	85 00	hr. 25c	"	1,020		1,020		"	"	no	"	"
12 1/4	"	85 00	25c	"	1,020		1,020		"	"	yes*	"	better
12 1/4	"	86 00	25c	"	1,020		1,020		"	"	"	"	same
12	"	75 00	mi. 2 1/2c	"	900	\$120	1,020		"	"	\$300	"	better
12 1/4	"	85 00	hr. 25c	"	1,020		1,020		"	"	180	"	"
12 1/4	"	88 00	25c	"	1,020		1,020		"	"	100	"	"
12 1/4	"	85 00	"	"	1,020		1,020		"	"	200	"	"
12	"	70 00	hr. 25c	"	840		840		"	"	"	better	"
12	"	75 00	25c	"	825		825	14	"	"	"	same	same
12	"	70 00	25c	"	840		840		"	"	"	better	better
12 1/4	"	86 00	25c	"	1,020		1,020		"	"	"	"	"
12	"	150 00	85c	"	1,800		1,800		"	"	400	"	same
10	"	75 00	yes*	"	900		900	10	"	inc. \$10 mo.	300	worse	worse
12	"	115 00	hr. 35c	"	1,322		1,322		"	neither	"	same	same
11	day	2 75	yes*	"	851		851	11	"	"	no	"	"
11	"	2 75	yes*	"	825		825	11	"	"	"	"	"
12	mo.	90 00	"	"	1,050		1,080		"	"	"	"	"
12	"	125 00	"	"	1,500		1,500		"	increase	"	"	"
12	"	110 00	"	"	1,320		1,320	18	"	neither	"	"	"
12	"	100 00	mi. 2 1/2c	"	1,200	120	1,320	13	"	"	"	"	same
12	"	110 00	2 1/2c	"	1,320		1,320	13	"	"	yes*	"	worse
12	mi.	03.1	hr. 30c	"	1,200		1,200		"	"	300	worse	"
12	mo.	90 00	yes*	"	990		990	12	"	neither	"	"	"
12	"	90 00	"	"	1,012		1,012	12	"	"	yes*	"	"
12	"	118 00	"	"	1,416		1,416	12 1/4	"	"	600	same	same
12	"	125 00	"	"	1,500		1,500	13	"	neither	500	same	better
11	"	75 00	"	"	750		750	11	inc. \$15 mo.	inc. \$25 mo	400	same	same
12	mile	08	"	"	1,850		1,350	12 1/4	neither	neither	600	better	better
12	mo.	90 00	"	"	1,040		1,080	12	"	"	200	same	same
12	"	100 00	"	"	1,200		1,200	12	"	"	500	"	"
12	"	58 00	"	"	672		672		"	"	300	"	"
10	day	1 23	"	"	412		413		"	"	no	worse	worse
12	mo.	115 00	mi. 2 1/2c	"	1,380		1,380	18	"	"	515	same	same
12	"	120 00	2 1/2c	"	1,440	60	1,500		"	"	yes*	"	"
12	"	100 00	2 1/2c	"	1,200	80	1,280	18	"	"	no	"	worse
12	"	115 00	2 1/2c	"	1,380	20	1,400	13	"	"	"	"	better
12	"	115 00	2 1/2c	"	1,380	20	1,400	18	"	"	yes*	"	worse
12	"	100 00	2 1/2c	"	1,150	100	1,250	13	"	"	400	"	better
12	"	80 00	2 1/2c	"	960	40	1,000	13	"	"	yes*	"	"
12	"	115 00	2 1/2c	"	1,380		1,380	13	"	"	no	"	same
12	"	115 00	2 1/2c	"	1,380	20	1,400	13	"	"	"	"	worse
12	"	110 00	2 1/2c	"	1,265	35	1,300	13	"	"	200	"	better
12	"	140 00	2 1/2c	"	1,609	20	1,629		"	"	yes*	"	same
12	"	100 00	2 1/2c	"	1,200	50	1,250		"	"	no	"	better
12	"	100 00	2 1/2c	"	1,150	20	1,170		"	"	"	"	worse
12	"	150 00	2 1/2c	"	1,500	20	1,520		"	"	yes*	same	same
12	"	110 00	2 1/2c	"	1,320	80	1,400		"	"	"	"	worse
12	"	110 00	2 1/2c	"	1,210		1,210		"	"	300	"	same
12	"	90 00	2 1/2c	"	1,080		1,080		"	"	200	"	worse
12	"	125 00	2 1/2c	"	1,500	100	1,600	13	"	"	"	"	better
12	"	130 00	hr. 21 1/2c	"	1,440	60	1,500	13	"	"	no	worse	worse
12	"	115 00	mi. 2 1/2c	"	1,265		1,265	13	"	"	"	same	same
12	"	150 00	2 1/2c	"	1,700	100	1,888	13	"	"	yes*	"	worse
12	"	110 00	2 1/2c	"	1,320	80	1,400	13	"	"	"	"	"
12	"	145 00	2 1/2c	"	1,595	60	1,655	18	"	"	yes*	same	worse
12	"	110 00	2 1/2c	"	1,320	80	1,400	13	"	"	"	"	better
12	"	150 00	hr. 21 1/2c	"	1,800		1,800		"	"	no	"	"
10	"	110 00	mi. 2 1/2c	"	1,210	30	1,240		"	"	"	"	worse
12	day	3 50	yes*	"	913	20	933	12 1/4	"	"	200	"	"
12	mo.	70 00	hr. 20c	"	840		840		"	"	150	same	better
12	"	85 00	20c	"	1,020		1,020		"	"	"	"	same
12	"	60 00	20c	"	720		720		"	"	no	better	better
12	"	60 00	35c	"	720		720		"	"	"	same	"

* Does not say what.

† Increase \$9.83 1/4 per month.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroads where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
6870	Jackson	Fireman	M. C.	Am.	34	m	2	3	12	12	12				
6871	"	"	"	"	26	"	2	2	14	14	12				
6872	"	"	"	"	29	m	2	1	13	13	12				
6873	"	"	"	"	27	m	2				12				
6880	"	"	"	"	22	m					12			4	
6881	"	"	"	"	22	m					8		4		
6882	Detroit	"	"	"	55	m	2	12	12	12	12				
6883	"	"	"	"	19	m		8	8	12	12				
6884	"	"	"	Can.	19	"		8	8	12	12				
6885	"	"	"	Am.	19	"		11	11	9	3				Other business
6886	"	"	"	"	24	"		12	12	12					
6887	"	"	"	"	24	"		12	12	12					
6888	"	"	"	"	27	m		1	12	12					
6889	Jackson	"	"	"	25	"		1	12	12					
6890	Detroit	"	"	"	48	"	5	12	12	12					
6891	"	"	"	Can.	30	"	1	1	12	12					
6892	"	"	"	"	28	"		12	12	12					
6893	"	"	"	Am.	23	m	2	12	12	12					
6894	"	"	"	"	35	"	2	8	8	12					
6895	"	"	"	"	30	"	2	12	12	12					
6896	"	"	"	Irish	23	s		8	8	12					
6897	"	"	"	Am.	19	"		12	12	12					
6898	Jackson	"	"	"	23	m	2			12					
6899	"	"	"	"	29	"	2	1		12					
6900	"	"	"	"	28	s				12			4		Sickness
6901	"	"	"	"	22	"				12					
6902	"	"	"	"	22	"		12	12	11	1				
6903	"	"	"	"	26	"		13½	13½	12					
6904	"	"	"	"	26	m	2	13	13	12					
6905	"	"	"	"	27	s		13½	13½	12					
6906	"	"	"	"	30	m	2	13	12	12					
6907	"	"	"	"	25	"		13	13	12					
6908	"	"	"	"	27	m	2	1	12	12					
6909	"	"	"	"	30	"	2	13	12	12					
6910	"	"	"	Am.	50	"	2	1		12					
6911	"	"	"	"	23	s				12					
6912	"	"	"	"	35	m	2	1		12					
6913	"	"	"	"	24	"			12	12					
6914	"	"	"	"	24	"			12	12					
6915	"	"	"	"	29	"			12	12					
6916	"	"	"	"	24	"				11½	½				Sickness
6917	"	"	"	"	25	"				12					
6918	Detroit	"	"	"	38	m	2	1		12					
6919	"	"	"	"	34	"	2	10	10	12					
6920	"	"	"	"	30	"		11	11	12			7		Resting
6921	"	"	"	"	27	m	2	11	11	12					
6922	"	"	"	"	24	"	2	12	12	12					
6923	"	"	"	"	27	"	2	8	8	12					
6924	"	"	"	"	28	s		11	11	10	2				Sickness
6925	"	"	"	"	27	"		9	9	12					
6926	"	"	"	"	28	m	2	2	12	12					
6927	"	"	"	"	30	"	2		12	12					
6928	"	"	"	"	31	s		13	12	11	1				Sick. and vac.
6929	"	"	"	"	22	"		12	12	9	8				Sickness
6930	"	"	"	"	22	"		12	11	10	2				Resting
6931	"	"	"	"	26	"		8	8	12					
6932	"	"	"	"	30	"		12	12	11½	½				Sickness
6933	"	"	"	"	31	m	2	3	10	10	12				
6934	"	"	"	"	27	"	2	10	10	12					
6935	"	"	"	"	30	s		11	11	12					
7098	"	Brakeman	"	"	24	"		10	10	12					
7099	"	"	"	"	31	"		12	12	12					
7100	"	"	"	"	28	"		12	12	12					
7101	"	"	"	"	24	m	2	10	10	12					
7102	"	"	"	"	22	"		12	12	4	8				Lack of work
7103	"	"	"	"	28	m	2	2	10	10	12				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
12	mo. \$80 00	hr. 20c	mo.		\$720		\$720		neither	neither	no	same	same
14	" 85 00	" 20c	"		1,020		1,020		"	"	"	"	better
18	" 85 00	" 20c	"		780		780		"	"	"	"	same
12	" 80 00	yes*	"		600		600		"	"	"	"	"
12	" 42 00	mi. 2 1/4c	"		497		497		"	neither	"	better	better
12	" 40 00	" 2 1/4c	"		320	\$20	340		"	"	"	"	"
12	" 83 00	yes*	"		780		780	12 1/2	"	inc. \$180 yr.	\$300	"	"
8	" 82 00	"	"		740		740	10	"	"	150	"	"
8	" 86 00	"	"		782		782	10	"	"	"	same	"
11	" 45 00	"	"		405		405	11	"	"	"	better	better
12	" 50 00	"	"		600		600	12	"	"	"	"	"
12	" 48 00	"	"		578		578	12	"	neither	no	same	"
12	" 48 00	yes*	"		578	25	601	12	"	"	100	"	same
12	" 85 00	"	"		780		780	13	"	neither	100	"	"
12	" 50 00	"	"		600		600		"	"	"	"	"
12	" 85 00	yes*	"		780		780	13 1/2	inc. 25c day	inc. 50c day	no	worse	worse
12	" 88 00	"	"		780		780	13 1/2	"	increase	75	same	same
12	" 47 00	"	"		564		564	12	"	"	no	"	better
8	" 68 00	"	"		756		756	13 1/2	"	neither	"	worse	worse
12	" 47 00	"	"		564		564		"	"	"	same	same
8	" 45 00	"	"		540		540	12 1/2	"	"	"	"	"
12	" 58 00	yes*	"		600		600	13	"	neither	"	"	"
10	mile 01.87	hr. 20c	"		660		660		"	inc. 14c day	"	better	"
12	mo. 55 00	mi. 2 1/4c	"		660	40	700		"	20c100mi	100	same	"
12	" 50 00	" 2 1/4c	"		598	40	638		"	"	no	"	same
12	" 80 00	"	"		720		720		"	inc. \$8 mo.	200	"	better
12	" 40 00	hr. 15c	"		440		440	12	"	neither	"	"	worse
12 1/2	" 80 00	"	"		720		720		"	"	"	"	same
13	" 70 00	hr. 20c	"		840		840		"	"	"	"	better
12 1/2	" 80 00	" 20c	"		720		720		"	"	yes*	better	"
12	" 85 00	" 20c	"		1,020		1,020		"	"	"	same	"
12	" 85 00	" 20c	"		780		780		"	"	"	"	"
12	" 55 00	" 20c	"		660		660		"	"	"	same	"
12	" 88 00	" 20c	"		1,020		1,020	12	"	"	200	better	better
12	" 80 00	mi. 2 1/4c	"		980	20	980		"	"	"	same	same
12	" 80 00	" 2 1/4c	"		980	40	1,000		"	"	no	better	"
12	" 80 00	" 2 1/4c	"		720	40	760		"	"	200	same	better
12	" 45 00	"	"		540		540		"	"	no	same	same
12	" 50 00	hr. 20c	"		600		600		"	"	"	better	better
12	" 72 00	" 20c	mo.		864		864		"	"	yes*	same	same
10	" 50 00	mi. 2 1/4c	"		575		575		"	"	"	"	better
12	" 80 00	" 2 1/4c	"		720		720		"	"	200	"	same
12	" 80 00	" 2 1/4c	"		720		720		"	"	200	"	same
10	" 85 00	" 2 1/4c	"		780	70	790		"	"	120	"	"
11	" 45 00	yes*	"		528		528	11 1/2	"	"	"	"	"
11	" 45 00	"	"		540		540	11	"	inc. \$100 yr.	no	better	better
12	" 55 00	"	"		660		660	13 1/2	"	increase	150	same	same
8	" 85 00	yes*	"		780		780	9 1/2	"	inc. \$15 mo.	no	worse	worse
11	" 50 00	"	"		500		500	11	"	" 100 yr.	300	same	same
9	" 80 00	yes*	"		720		720	10 1/2	"	"	300	"	"
12	" 80 00	"	"		720		720	12	"	inc. 75c day	no	"	better
12	" 85 00	"	"		780		780	13 1/2	"	neither	300	"	"
12	" 55 00	"	"		605		605	13 1/2	"	"	no	"	"
12	" 70 00	"	"		680		680	13 1/2	"	inc. \$25 mo.	300	same	"
11 1/2	" 45 00	"	"		450		450	12	"	neither	300	"	"
8	" 85 00	"	"		780		780	9 1/2	"	increase	200	better	better
12	" 52 00	"	"		595		595	12	"	"	"	same	"
10	" 55 00	"	"		660		660		"	"	"	"	better
10	" 40 00	yes*	"		400		400	10	"	increase	no	better	"
11	" 50 00	"	"		600		600	11	"	inc. 12.50mo	125	"	"
10	" 50 00	"	"		600	25	625	11	"	"	200	same	same
12	" 45 00	"	"		540		540	13	"	"	no	better	worse
12	" 45 00	"	"		540		540	13	"	"	"	worse	same
10	" 50 00	"	"		600		600	11	"	inc. \$2 mo.	100	"	"
12	" 45 00	"	"		180		180	12	"	"	90	"	same
10	" 58 00	"	"		696	70	766	11	inc. \$5 mo.	inc. \$5 mo.	75	better	better

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.	Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.		
7104	Detroit	Brakeman	M. C.	Am.	19	s			10	10	10½	1½		Lack of work
7105	"	"	"	"	22	"			12	12	11	1		Vacation
7106	"	"	"	Can.	32	"			12	12	12	1		"
7107	Jackson	"	"	Eng.	35	m		1	12	12	10	2		Sickness
7108	W. Bay City	"	"	Am.	30	"			12	12	12			"
7109	Jackson	"	"	Irish	35	"			12	12	11	1		Sickness
7110	"	"	"	Am.	30	"						4		"
7111	"	"	"	"	25	s			12	12	12			"
7112	"	"	"	"	27	m		1	12	12	12			"
7113	"	"	"	"	24	"			13	13	12			"
7114	"	"	"	"	24	s			13	13	12			"
7115	"	"	"	"	27	"			13	13	11	1		Sickness
7116	"	"	"	"	31	m		13½	13½	12				"
7117	"	"	"	"	23	s			13	13	12			"
7118	"	"	"	"	22	"			13	13	12			"
7119	"	"	"	"	26	"			12	12	12			"
7120	"	"	"	"	23	"			13	13	12			"
7121	"	"	"	"	24	m			13	13	12			"
7122	Dearborn	"	"	Eng.	32	"		1	12	12	6	6		Sickness
7123	Ypsilanti	"	"	Irish	27	s			12	12	12			"
7124	Detroit	"	"	Can.	25	"			12	12	6	6		Lack of work
7125	Dearborn	"	"	Am.	43	m		7	12	12	12			"
7126	Ypsilanti	"	"	"	26	"		2	10	10	11	1		Other business
7127	"	"	"	"	28	"			12	12	12			"
7128	Detroit	"	"	Ger.	54	"		3			12			"
7129	Ypsilanti	"	"	Ara.	26	s			10	10		4		Accident
7130	Jackson	"	"	"	36	m		3	13	13	12			"
7131	"	"	"	"	27	"			13	13	12			"
7132	"	"	"	"	33	"		3	12	12	12			"
7133	"	"	"	"	29	s			12	12	12			"
7134	"	"	"	"	22	"			13	13	12			"
7135	"	"	"	"	23	"			13	13	12			"
7136	"	"	"	"	30	"			13	13	12			"
7137	"	"	"	"	23	"			13	13	12			"
7138	"	"	"	"	35	m		2	13	13	12			"
7139	"	"	"	"	26	s			13	13	12			"
7140	"	"	"	"	28	m		1	13	13	12			"
7141	"	"	"	"	41	"		8	13	13	12			"
7142	"	"	"	"	26	"			13	13	12			"
7143	"	"	"	"	28	"		1	12	12	12	4		Sickness
7144	"	"	"	"	28	s			13	13	12	3		"
7145	"	"	"	"	26	m		1	13	13	12			"
7146	"	"	"	"	24	s			12	12	12			"
7147	"	"	"	"	35	m			13	13	12			"
7148	"	"	"	"	33	"		1	13	13	12			"
7149	"	"	"	"	29	s			13	13	12			"
7150	"	"	"	"	24	m			13	13	12			"
7151	"	"	"	"	32	"		3	13	13	10	2		Sickness
7152	Wayne	"	"	"	22	s			12	12	12			"
7153	Dearborn	"	"	"	28	"			10	7	12			"
7154	Detroit	"	"	"	27	"			10	10	12			"
7155	Ypsilanti	"	"	"	22	"			10	10	12			"
7156	"	"	"	"	25	"			8	8	12			"
7157	Jackson	"	"	"	30	m		1			12			"
7158	"	"	"	Irish	27	"		1			11	1		Sickness
7159	"	"	"	Am.	27	"					6	6		Injured
7160	"	"	"	"	23	"		1	12	12	11	1		Lack of work
7161	"	"	"	"	24	"			13½	13½	12			"
7162	"	"	"	"	27	"		1	13½	13½	12			"
7163	"	"	"	"	27	"		1	13	13	12			"
7164	"	"	"	"	29	"			13	13	12			"
7165	"	"	"	"	52	"		2	13½	13½	10	2		Sickness
7166	"	"	"	"	31	s			13	13	12			"
7167	"	"	"	"	29	"			13½	13½	11½	14		Sickness
7168	"	"	"	"	23	"			13½	13½	12			"
7169	"	"	"	"	27	m			13½	13½	12			"

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10	mo. \$55 00	yes*	mo.		\$577		\$577	10	neither		no	better	better
12	" 50 00	"	"		550		550	13	"		\$200	same	same
12	" 50 00	"	"		550		550	12	"		200	"	
12	" 50 00	"	"		500		500			neither	no	worse	worse
12	trip 2 14	yes*	"		670		670			"	"	"	"
12	mo. 50 00	"	"		550		550			"	"	"	"
12	" 60 00	hr. 20c	mo.		713		713			neither	"	same	better
12	" 60 00	" 20c	"		720		720			"	100	"	same
12	" 60 00	" 20c	"		720		720			"	no	"	"
12	" 60 00	" 20c	"		720		720			"	"	"	"
12	" 45 00	"	"		540		540			"	"	"	better
12	" 45 00	hr 21 1/2c	"		495		495	14	"	"	"	"	same
13 1/2	" 60 00	" 20c	"		720		720			"	"	"	better
13	" 50 00	" 20c	"		600		600			"	100	"	
12	" 45 00	" 20c	"		540		540			"	no	"	
12	" 50 00	" 20c	"		600		600			"	"	same	same
12	" 50 00	" 20c	"		600		600			"	"	"	better
12	" 50 00	" 20c	"		600		600			"	"	"	"
12	" 50 00	"	"		300		300			"	"	"	
12	" 50 00	"	"		600		600			increase	200	"	
12	" 50 00	"	"		300		300			neither	no	worse	
12	" 50 00	"	"		600		600			"	"	same	
10	" 50 00	"	"		550		550			"	200	"	
12	" 50 00	"	"		600		600			"	200	worse	
	" 50 00	"	"		600		600			"	150	"	
10	" 50 00	"	"		400		400			"	250	same	
12	" 60 00	hr. 20c	"		720		720			"	"	"	better
12	" 60 00	" 20c	"		720		720			"	no	"	same
12	" 60 00	" 20c	"		720		720			"	"	"	same
12	" 50 00	" 20c	"		600		600			"	yes*	"	better
12	" 60 00	" 20c	"		720		720			"	"	"	same
12	" 60 00	" 20c	"		720		720			"	"	"	better
12	" 60 00	" 20c	"		720		720			"	"	"	same
12	" 60 00	" 20c	"		720		720	14		"	"	better	better
12	" 60 00	" 20c	"		720		720			"	yes*	"	"
12	" 60 00	" 20c	"		720		720			"	no	"	same
12	" 60 00	" 20c	"		720		720			"	"	"	better
12	" 50 00	" 20c	"		600		600			"	"	"	same
12	" 60 00	" 20c	"		749		749			"	no	"	"
12	" 60 00	" 20c	"		715		715			"	"	better	better
12	" 50 00	" 20c	"		600		600			"	no	same	same
12	" 55 00	" 20c	"		680		680			"	"	"	"
12	" 60 00	" 20c	"		720		720			"	no	"	same
12	" 60 00	" 20c	"		720		720			"	"	better	better
12	" 60 00	" 20c	"		720		720			"	"	"	same
12	" 60 00	" 20c	"		600		600			"	no	"	"
8 1/2	" 50 00	yes*	"		600		600	12		inc. \$3 mo.	no	worse	
10	" 50 00	"	"		600		600	9		" 2 "	"	same	better
10	" 50 00	"	"		600		600	11		" 5 "	no	"	"
8	" 55 00	"	"		680		680	13	inc. \$5 mo.	inc. \$5 mo.	200	"	same
14	" 60 00	hr 20c	"		720	\$12	732	9	increase	increase	200	worse	worse
12	" 60 00	" 20c	"		660	22	682		neither	inc. \$10 mo.	144	"	"
12 1/2	" 50 00	" 20c	"		300	15	315		inc. \$5 mo.	increase	no	"	"
12 1/2	" 50 00	"	"		550		550		neither	inc. \$10 mo.	"	"	better
12 1/2	" 60 00	hr. 20c	"		720		720			"	"	same	"
12 1/2	" 60 00	" 20c	mo.		720		720			"	"	"	same
12	" 60 00	" 20 1/2c	"		720		720			"	"	"	"
12	" 60 00	" 20c	"		600		600			"	no	"	worse
12	" 60 00	" 20c	"		720		720			"	150	"	same
12 1/2	" 60 00	" 20c	"		690		690			"	200	"	better
12 1/2	" 60 00	" 20c	"		720		720			"	75	"	same
12 1/2	" 60 00	" 20c	"		720		720			neither	no	"	"

* Does not say what.

Railway Employés.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per.		Regular time.	Overtime.	Total.						
13%	mo. \$80 00	hr. 20c	mo.	\$720		\$720		neither	neither	\$200	same	same
13	" 50 00	" 20c	"	600		600		"	"	"	worse	worse
13	" 45 00	" 21%o	"	540		540		"	"	no	same	same
13%	" 45 00	" 20c	"	472		472		"	"	"	"	"
13%	" 40 00	" 20c	"	400		400		"	"	"	"	better
13%	" 60 00	" 20c	"	699		699		"	"	"	"	same
13%	" 35 00	" 20c	mo.	680		680		"	"	no	"	"
13%	" 35 00	" 20c	"	680		680		"	"	175	"	"
16	" 35 00	"	"	680		680		"	"	no	worse	worse
12	" 50 00	"	"	600		600		"	"	100	"	"
8	" 50 00	"	"	600		600		"	"	yes*	better	same
8	" 50 00	yes*	"	600		600		"	inc. \$5 mo.	no	same	"
8	" 50 00	"	"	600		600		"	neither	"	"	"
8	" 55 00	"	"	680		680		"	"	"	"	"
8	" 60 00	"	"	720		720		"	inc. \$5 mo.	"	"	"
10	" 60 00	"	"	720		720		"	"	"	"	"
8%	" 50 00	"	"	600		600		"	neither	yes*	worse	"
12	" 50 00	"	"	600		600		"	"	no	same	same
12	" 60 00	yes*	"	720		720		"	inc. \$5 mo.	"	"	"
6	" 35 00	"	"	680		680		inc. \$5 per mo	"	200	"	"
12	" 55 00	"	"	440		440		"	"	no	better	better
14	" 55 00	"	"	680		680		"	"	100	worse	worse
12	" 65 00	"	"	780		780		neither	neither	"	same	same
10	" 55 00	"	"	608		608		"	"	100	worse	worse
12	" 45 00	"	"	540		540		"	"	100	same	same
12	" 40 00	"	"	480		480		"	"	yes*	"	"
12	" 40 00	"	"	480		480		inc. \$5 per mo	neither	300	worse	worse
12	" 45 00	"	"	520		520		"	inc. \$5 mo.	yes*	same	"
10	" 40 00	"	"	477		477		neither	" 10 "	150	worse	better
14	" 40 00	"	"	480		480		"	neither	300	worse	"
15	" 45 00	"	"	540		540		neither	"	no	same	same
13%	" 40 00	"	"	456		456		"	"	"	worse	same
12	" 45 00	"	"	540		540		"	"	"	"	"
12	" 45 00	"	"	540		540		neither	"	"	"	"
11%	" 45 00	"	"	540		540		"	inc. \$5 mo.	no	worse	worse
12	" 40 00	"	"	480		480		"	neither	25	"	"
8	" 100 00	"	"	1,200		1,200		"	"	400	same	same
11	" 60 00	"	"	720		720		inc. \$10 mo.	inc. \$30 mo.	100	better	better
12	" 60 00	"	"	720		720		neither	neither	100	worse	worse
11	" 80 00	"	"	960		960		"	inc. \$5 mo.	200	"	"
10	" 125 00	"	"	1,500		1,500		inc. \$10	" 10 "	"	"	"
12	" 75 00	"	"	900		900		neither	neither	100	worse	"
12	" 175 00	"	"	2,100		2,100		"	"	yes*	"	worse
12	" 60 00	"	"	720		720		"	"	no	same	same
14	" 65 00	"	"	780		780		dec. \$10 mo.	dec. \$10 mo	"	worse	worse
12	" 45 00	"	"	510		510		neither	neither	100	"	"
10	" 55 00	"	"	660		660		"	"	yes*	same	same
10	" 50 00	"	"	600		600		"	"	no	"	"
12	" 30 00	"	"	180		180		"	"	100	"	"
10	" 40 00	"	"	485		485		neither	"	100	same	same
12	" 45 00	"	"	533		533		"	"	no	worse	worse
11	day 1 00	"	"	313		313		"	"	"	"	"
12	" 50 00	"	"	562		562		"	"	no	"	"
10	" 40 00	"	"	480		480		"	"	yes*	same	same
10	" 50 00	"	"	600		600		dec. \$5 mo.	dec. \$5 mo.	no	worse	worse
16	" 50 00	"	"	600		600		neither	neither	100	same	same
11	" 45 00	"	"	540		540		"	"	no	"	"
10	" 70 00	"	"	840		840		"	"	200	worse	worse
10	" 50 00	"	"	600		600		"	inc. \$5 mo.	no	"	"
8	" 250 50	"	"	2,502		2,502		"	"	500	"	"
10	" 300 00	"	"	2,400		2,400		"	inc. \$35%mo	600	better	better
12	" 65 00	"	"	780		780		"	neither	100	same	same
12	" 125 00	"	"	1,500		1,500		"	"	200	"	better
8	" 115 00	"	"	1,380		1,380		inc. \$15 mo.	inc. \$15 mo.	"	"	same
12	" 45 00	"	"	495		495		neither	"	50	"	"
12	" 45 00	"	"	540		540		"	"	no	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
7240	Niles	Operator	M. C.	Am.	28	m	2	2	11	11	12			
7241	Marshall	"	"	Am.	35	"	2	1	12	12	12			
7242	Lawton	"	"	"	29	"	2	1	12	12	11	1		Sickness
7243	"	"	"	"	32	"	2	1	12	12	12			
7244	Three Oaks	"	"	"	30	"	2	1	12	12	12			
7245	Detroit	"	"	"	27	s			10	10	12			
7246	"	"	"	"	21	"			10	10	12			
7247	Dearborn	"	"	"	20	"			12	12	12			
7248	Ypsilanti	"	"	"	32	"			12	12	12			
7249	Saginaw	"	"	Can.	36	m	2	1	11	11	11	1		Sickness
7250	"	"	"	Am.	21	s			12	12				
7251	"	"	"	"	29	m	2	1	14	14	12			
7252	Ann Arbor	"	"	"	41	"	2	1	12	12		5		Sickness
7253	Owosso	"	"	Can.	29	s					12			
7254	"	"	"	Am.	28	m	2		15	15				
7255	La Salle	"	"	"	34	"	2	6	12	10	12		8	Sickness
7256	West Bay City	"	"	"	29	"	2	2	11	11	12			
7257	Marshall	"	"	"	24	"	2		12	12	12			
7258	West Bay City	"	"	"	45	"	2	3	12	12	12			
7259	Detroit	"	"	"	29	"	2	2	12	12	12			
7260	Monroe	"	"	"	26	"	2		12	12	12			
7261	Ypsilanti	"	"	"	22	s			10	10	12			
7262	Lansing	"	"	"	23	"			11	12	12			
7263	West Bay City	"	"	Can.	25	"			12	12	12			
7264	Chelsea	"	"	Am.	22	"			12	12	11	1		
7265	Detroit	"	"	"	32	m	2		10	10	12			
7266	Dearborn	"	"	"	21	s			12	12	12			
7267	Detroit	"	"	"	51	m	2	3	9 1/4	9 1/4	11 1/4	1/4		Sickness
7268	"	"	"	"	25	s			10	10	12			
7269	"	"	"	Can.	32	m	2	1	8	8	12			
7270	"	"	"	Am.	27	s			10	10	12			
7271	Owosso	"	"	Eng.	23	"			12	12	11	1		Vacation
7272	Wayne	"	"	Can.	32	m			3	12	12	1		Sick. and vac.
7273	Grass Lake	"	"	Am.	36	"	2	5	12	12	11 1/4	15		Sickness
7274	"	"	"	"	35	"	2	3	12	12	11 1/4	20		Pleasure
7275	Jackson	"	"	"	36	"	2		18	18	12			
7276	Lealie	"	"	"	19	s			12	12	11 1/4	13		Vacation
7277	Corey	"	"	"	22	"			12	12	6	6		
7278	"	"	"	"	26	m	2	2	12	12	10	2		
7279	Albion	"	"	"	35	"	2		12	12	12			
7280	Angusta	"	"	"	27	s			12	12	12			
7281	"	"	"	"	24	"			12	12	12			
7282	Caro	"	"	"	23	m	2	2	16	16	13	10		Other business
7283	Hastings	"	"	"	22	s			12	12	11 1/4	1/4		Recreation
7284	Saginaw E. S.	Cashier	"	"	19	"			9		12			
7285	"	"	"	Can.	34	w	1	3	10	10	12			
7286	Ypsilanti	"	"	Am.	31	m	2	1	10	10	12			
7287	Owosso	"	"	"	20	s					12			
7288	Lansing	"	"	"	33	m	2	3	10	10	12			
7289	West Bay City	"	"	"	30	"	3	1	11	11	12			
7290	Detroit	Ass. secret'y	"	Can.	26	"	2		8	8	12			
7291	Jackson	Clerk	"	Am.	26	"			10	10	12			
7292	Detroit	Auditor	"	"	45	"	2	3			12			
7293	"	Ass. auditor	"	"	38	"	2		8	8	12			
7294	"	Accountant	"	"	37	"	2	2	8	8	12			
7295	"	T'kt acc't.	"	"	35	"	2	1	8	8	12			
7296	"	Accountant	"	"	40	"	2		8	8	12			
7297	Saginaw E. S.	Car acc't.	"	"	33	"	2	4	10	10	12			
7298	Detroit	Clerk	"	Scotch	23	"	2	2	8	8	12			
7299	Windoor	"	"	Eng.	39	"	2	3	8 1/4	8 1/4	12			
7300	Jackson	"	"	Am.	24	s			9	9	12			
7301	Detroit	"	"	"	23	m	2		8	8	12			
7302	Ann Arbor	"	"	"	24	"	2	1	10	10	12			
7303	Jackson	"	"	"	54	"	2	3	10	10	12			
7304	Saginaw	"	"	"	26	s			10	10	12			
7305	Detroit	"	"	Eng.	35	m			3	8	8			

Railway employes.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per.		Regular time.	Overtime.	Total.						
11	mo. \$45 00		mo.	\$540		\$540		neither	neither	no	same	same
12	" 50 00		"	600		600		"	"	yes*	worse	worse
12	" 40 00		"	440		440		"	"	no	same	same
12	" 40 00		"	440		440		"	dec. \$5 mo.	"	worse	worse
12	" 40 00		"	480		480		"	neither	yes*	better	better
12	" 40 00		"	480		480		inc. \$10 mo.	inc. \$10 mo.	no	"	"
12	" 55 00	yes*	"	660		660		neither	dec. \$5 mo.	\$100	same	same
12	" 50 00		"	600		600		"	neither	100	same	same
12	" 40 00		"	480		480		"	"	no	same	same
12	" 50 00		"	600		600		"	"	no	same	same
12	" 50 00		"	550		550		"	"	no	same	same
12	" 45 00		"					"	"	50	better	better
12	" 50 00		"	600		600		"	neither	200	same	"
12	" 60 00		"	720		720		"	inc. \$5 mo	yes*	"	same
12	" 45 00		"	540		540		"	neither	no	"	"
12	" 45 00		"	540		540		"	"	100	"	"
11	" 40 00		"	470		470		"	"	no	"	"
12	" 45 00		"	540		540		"	"	no	worse	worse
12	" 45 00		"	540		540		"	inc. \$5 mo.	60	same	same
12	" 40 00		"	490		490		"	neither	no	worse	worse
12	" 40 00		"	490	\$50	530		"	"	"	same	"
12	" 40 00		"	490		490		"	"	"	"	"
12	" 45 00		"	540		540		"	"	120	same	"
12	" 45 00		"	540		540		"	"	100	worse	worse
12	" 45 00		"	540		540		"	"	no	"	"
12	" 40 00		"	440		440		"	"	200	"	"
12	" 60 00		"	720		720		"	"	yes*	same	worse
12	" 55 00		"	660		660		"	"	150	"	"
12	" 80 00		"	1,085		1,085		"	neither	no	"	same
12	" 80 00		"	720		720		"	inc. \$20 mo.	250	better	better
12	" 80 00		"	720		720		"	" 5	200	same	"
12	" 80 00		"	720		720		dec. \$15 mo.	" 20	200	better	"
12	" 40 00		"	440		440		neither	neither	yes*	same	worse
12	" 50 00		"	550		550		"	dec. \$10 mo.	no	"	"
12	" 45 00		"	515		515		"	"	"	"	same
12	" 40 00		"	451		451		"	"	"	"	"
12	" 70 00		"	840		840		"	"	"	"	"
12	" 40 00		"	490		490		"	"	no	better	"
12	" 40 00		"	240		240		"	neither	"	same	"
12	" 40 00		"	400		400		"	"	"	"	"
12	" 40 00		"	490		490		"	"	"	"	"
12	" 40 00		"	490		490		"	"	"	worse	worse
12	" 40 00		"	490		490		"	"	100	"	"
12	" 30 00		"	350		350		"	"	40	same	worse
12	" 40 00		"	490		490		"	"	no	worse	"
12	" 35 00		"	420		420		"	dec. \$15 mo.	no	"	"
12	" 65 00		"	780		780		"	"	60	"	"
12	" 50 00		"	600		600		"	neither	125	same	"
14	" 45 00		"	540		540		"	dec. \$5 mo.	no	"	same
10	" 60 00		"	720	6	726		"	neither	100	"	"
11	" 55 00		"	660		660		"	"	no	"	"
10	" 75 00		"	900		900		"	increase	yes*	same	"
10	" 50 00	hr. 20c	"	600		600	10	"	neither	"	"	better
8	mo. 225 00		"	2,700		2,700		inc. \$25 mo.	dec. \$25 mo.	300	"	same
8	" 125 00		"	1,500		1,500		neither	increase	500	worse	worse
8	" 125 00		"	1,500		1,500		"	dec. \$53 1/2 m.	no	same	same
10	" 100 00		"	1,200		1,200		"	inc. \$25 mo.	300	"	"
8	" 53 00		"	630		630		"	neither	no	worse	worse
8	" 65 00		"	780		780		"	dec. \$10 mo.	no	better	better
8 1/2	" 125 00		"	1,500		1,500		"	neither	yes*	same	same
9			"				10	"	"	"	better	better
8	mo. 95 00		"	1,140		1,140		inc. \$10 mo.	dec. \$5 mo.	"	same	same
20	" 50 00		"	600		600		neither	neither	150	worse	"
20	" 100 00		"	1,200		1,200		"	inc. \$15 mo.	300	same	better
20	" 60 00		"	720		720		inc. \$5 mo.	neither	"	better	"
8	" 110 00		"	1,320		1,320		neither	"	no	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
7306	Kalamazoo	Clerk	M. C. R. R.	Am.	28	s	1	12	12	12				
7307	West Bay City	"	"	Bel.	28	m	1	11	11	12				
7308	Monroe	"	"	Can.	41	"	1	11	11	12				
7309	Ypsilanti	"	"	Am.	25	"	1	11½	11½	12				
7910	Springwells	"	"	"	27	"	1	9	9	12				
7811	Detroit	"	"	"	29	"	1	9	9	12				
7312	"	"	"	Ger.	23	"	1	9	9	12				
7813	"	"	"	Am.	32	"	1	9	9	12				
7314	"	"	"	Eng.	23	"	1	10	10	12				
7815	"	"	"	Am.	22	"	1	8	8	12				
7316	West Bay City	"	"	"	32	m	1	10	10	12				
7817	Lansing	"	"	"	23	"	1	10	10	12				
7318	Kalamazoo	"	"	"	19	"	1	10	10	12				
7819	Three Rivers	"	"	"	32	m	1	10	10	12				
7320	Detroit	"	"	"	19	"	1	10	10	12				
7821	"	"	"	"	19	"	1	10	10	12				
7434	Jackson	"	"	"	22	"	1	10	10	12				
7435	"	"	"	"	37	m	1	10	10	12				
7436	"	"	"	"	19	"	1	10	10	12				
7437	Wayne	"	"	"	30	m	1	12	12	12				
7438	"	"	"	"	27	"	1	12	12	12				
7439	"	"	"	"	31	m	1	12	12	12				
7440	Windsor	"	"	Can.	48	"	1	10	10	12				
7441	Detroit	"	"	Ger.	53	"	1	10	10	12				
7442	"	"	"	Eng.	53	"	1	8	8	12				
7443	"	"	"	Am.	15	w	1	9	9	12				
7444	"	"	"	"	27	"	1	9	9	12				
7445	"	"	"	"	28	m	1	9	9	12				
7446	"	"	"	"	30	"	1	9	9	12				
7447	"	"	"	"	18	s	1	9	9	6	6			Lack of work
7448	"	"	"	"	25	m	1	9	9	11½	½			
7449	"	"	"	Can.	32	s	1	9	9	12				
7450	"	"	"	Am.	68	"	1	9	9	11	1			Sickness
7451	"	"	"	"	29	"	1	12	12	12				
7452	"	"	"	"	30	"	1	10	10	12				
7453	"	"	"	"	21	s	1	10	10	12				
7454	"	"	"	"	25	m	1	9	9	12				
7455	"	"	"	"	47	"	1	10	10	12				
7456	"	"	"	Scotch	23	"	1	10	10	12				
7457	"	"	"	Am.	28	m	1	10	10	10	2			Sickness
7458	"	"	"	"	32	"	1	10	10	11	1			"
7459	"	"	"	Can.	21	"	1	12	12	11½	½			Vacation
7460	"	"	"	Am.	17	"	1	8	8	12				
7461	"	"	"	Can.	38	m	1	10	10	12				
7462	"	"	"	Am.	48	"	1	8	8	12				
7463	"	"	"	"	16	"	1	8	8	12				
7464	"	"	"	Can.	15	"	1	8	8	8	4			At school
7465	"	"	"	Am.	40	m	1	8	8	12				
7466	"	"	"	Ger.	24	"	1	10	10	12				
7467	"	"	"	Am.	21	"	1	8	8	12				
7468	"	"	"	"	39	"	1	8	8	12				
7469	"	"	"	"	20	"	1	8	8	12				
7470	"	"	"	"	50	m	1	8	8	12				
7471	"	"	"	"	15	"	1	8	8	12				
7472	"	"	"	"	15	"	1	8	8	12	11			At school
7473	"	"	"	"	20	"	1	9	9	12				
7474	"	"	"	"	20	"	1	8	8	12				
7475	"	"	"	"	20	"	1	9	9	10	2			Lack of work
7476	"	"	"	Irish	24	m	1	11	11	12				
7477	"	"	"	Eng.	30	"	1	11	11	12				
7478	"	"	"	Can.	16	"	1	10	10	12				
7479	"	"	"	Am.	27	"	1	8	8	10	2			Sickness
7480	"	"	"	Can.	29	"	1	12	12	12				
7481	"	"	"	Am.	38	"	1	11½	11½	12				
7482	"	"	"	Can.	30	"	1	9	9	12				
7483	"	"	"	Am.	26	"	1	9	9	12				

Railway employes.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per.		Regular time.	Overtime.	Total.						
12	mo. \$75 00		mo.	\$900		\$900		neither	inc. \$25 mo	\$400	worse	worse
11	" 64 00		"	720		720		"	neither	200	better	better
11 1/4	" 53 00		"	690		690		"	neither	no	same	same
10	" 40 00		"	720		720		"	dec. \$10 mo	100	better	worse
9	" 50 00		"	600		600		"	"	no	same	same
9	" 43 00		"	510		510		"	"	"	better	worse
10	" 85 00		"	720		720		"	"	"	"	better
8	" 40 00		"	1,020		1,020		"	dec. \$15 mo	220	"	"
10	" 40 00		"	480		480		"	inc. \$20	no	worse	worse
10	" 63 00		"	780		780		"	neither	"	"	"
10	" 38 00		"	480		480		"	"	"	same	same
10	" 40 00		"	396		396		"	"	"	"	"
10	" 38 00	yes*	"	420		420	10	inc. \$5 yr.	"	no	better	"
10	" 40 00	"	"	480	\$10	580	10	neither	"	90	same	"
10	" 50 00		"	600		600		"	neither	"	150	worse
10	" 78 00	hr. 20c	"	900		900	10	"	"	no	same	"
12	" 40 00		"	540		540		"	"	150	"	"
12	" 45 00		"	546		546		"	"	yes	"	"
10	" 60 00		"	720		720		"	neither	"	worse	worse
10	" 60 00		"	720		720		"	inc. \$3 mo	no	better	better
10	" 50 00		"	600		600		"	neither	"	worse	worse
9	" 63 00		"	780		780		"	"	"	same	same
9	" 40 00		"	480		480		"	"	"	"	"
9	" 50 00		"	600		600	10	"	dec. \$5 mo	"	worse	better
9	" 50 00		"	600		600		"	"	300	same	"
9	" 45 00		"	540		540		"	neither	no	same	same
9	" 43 00		"	270		270		"	"	30	better	"
9	" 50 00		"	575		575		inc. \$4.50 mo.	"	300	better	better
9	" 50 00		"	600		600		neither	inc. \$3 mo.	no	same	same
12	" 70 00		"	550		550		"	neither	"	worse	worse
10	" 50 00		"	600		600		"	inc. \$3 mo	"	"	"
12	" 40 00		"	420		420		"	neither	"	better	better
10	" 45 00		"	540		540		"	"	50	same	same
10	" 55 00		"	690		690		"	neither	yes*	same	better
10	" 55 00		"	690		690		inc. \$3 mo.	inc. \$10 mo	no	"	same
10	" 55 00		"	550		550		neither	" 10 "	"	worse	same
10	" 53 00		"	605		605		inc. \$5 mo.	" 5 "	"	better	better
12	" 50 00		"	588		588		" 5	"	"	same	"
10	" 16 00		"	8		8		neither	"	"	"	"
10	" 50 00		"	600		600		"	neither	"	same	same
10	" 90 00		"	1,080		1,080		"	"	"	same	better
10	" 15 00		"	180		180		"	"	"	better	"
10	" 15 00		"	120		120		"	"	"	worse	"
10	" 50 00	yes*	"	600		600	10	increase	"	"	same	better
10	" 38 00		"	456		456		"	"	50	better	"
10	" 40 00		"	480		480		"	inc. \$15 mo	no	same	same
10	" 55 00		"	690		690		"	" 3 "	yes*	same	same
10	" 36 00		"	420		420		"	"	no	better	better
10	" 50 00		"	600		600		"	neither	"	same	same
10	" 15 00		"	180		180		"	"	20	better	same
10	" 15 00		"	15		15		"	"	no	same	"
10	" 45 00		"	540		540		"	"	"	better	"
10	" 35 00		"	420		420		"	inc. \$10 mo	"	same	"
10	" 25 00		"	250		250		"	"	"	same	"
11	" 50 00		"	600		600		inc. \$3 mo.	neither	"	"	worse
11	" 50 00		"	600		600		" 5 "	"	yes*	worse	"
10	" 50 00		"	600		600		" 10 "	"	no	better	better
10	" 40 00		"	400		400		increase	neither	200	same	"
12	" 45 00		"	540		540		"	dec. \$20 mo	no	worse	worse
11 1/4	" 60 00		"	920		920		" 10 "	"	no	same	same
9	" 70 00		"	840		840		inc. \$10 mo.	inc. 20 "	500	same	better
9	" 55 00		"	690		690		dec. \$5 mo.	dec. 5 "	no	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
7484	Detroit	Clerk	M. C. R. R.	Am.	18	s			9	9	12				
7485	"	"	"	Eng.	43	s			9	9	12				
7486	"	"	"	Am.	23	s			9	9	11	1			Sickness
7487	"	"	"	Can.	20	s			9	9	12				
7488	"	"	"	Scotch	28	s			9	9	12				
7489	"	"	"	Eng.	32	s			9	9	12				
7571	Jackson	"	"	Am.	36	m		2	10	10	12				
7572	"	"	"	"	53	s			10	10	12				
7573	"	"	"	"	20	s			10	10	11½	½			Sickness
7574	Niles	"	"	"	32	m		3	10	10	12				
7575	"	"	"	Ger.	54	"			3	10	10	12			
7576	"	"	"	Am.	32	"			1	10	10	12			
7577	Bay City	"	"	"	15	s			9½	9½	10	2			
7578	Detroit	"	"	Eng.	43	m			11	11	12				
7579	"	"	"	Am.	22	s			17	10	12				
7580	"	Checker	"	Eng.	48	m		2	11	11	12				
7581	Kalamazoo	Sta. bag'm'n	"	Am.	40	"			4	12	12				
7582	"	"	"	"	45	"			2	11	11	12			
7583	Ann Arbor	"	"	"	53	"			3	12	12				
7584	Saginaw	"	"	"	47	"			2	15½	15½	13			
7585	"	"	"	"	46	"			15	15	12				
7586	"	"	"	"	38	"			3	12	12				
7602	Detroit	Baggage-man	"	Scotch	48	"			3	12	12				
7603	Owosso	"	"	Am.	50	"			2	2	12				
7604	Bay City	Stenog'pher	"	Irish	16	s					12				
7605	Jackson	"	"	Ger.	21	m		2	10	10	12				
7606	Saginaw	"	"	Am.	28	s			8	8	12				
7607	Detroit	"	"	"	26	m		1	8	8	12				
7608	"	"	"	"	19	s			8	8	12				
7609	"	"	"	Can.	23	s			8	8	12				
7610	"	"	"	"	25	m			8	8	12				
7611	"	"	"	Am.	18	s			8	8	8	9			At school
7612	Bay City	Clerk	"	Am.	22	s			8	8	12				
7613	"	"	"	Am.	22	"			10	10	12				
7614	Niles	R. M. clerk	"	"	24	"			10	10	12				
7615	Bay City	Clerk	"	"	23	"			10	10	12				
7616	Detroit	"	"	"	23	"			12	12	12				
7617	"	"	"	Can.	21	"			12	12	12				
7618	Ypsilanti	"	"	Am.	24	"			8	10	10	2			Sick & l. of w.
7619	"	"	"	"	47	m		2	12	12	12				
7620	Bay City	"	"	"	18	s			12	14	8				Accident.
7621	"	"	"	"	53	m		2	1	10	10	2			Sickness
7622	Saginaw	"	"	"	23	s			10	10	11	1			
7623	Detroit	"	"	"	32	m		2	12	12	12				
7624	Jackson	"	"	"	36	s			10	10	12				
7625	Detroit	"	"	"	19	s			10	10	12				
7626	Ann Arbor	Bookkeeper	"	"	37	m		2	1	10	10	12			
7627	"	"	"	Can.	20	s			10	10	4	8			At school
7628	Jackson	Timekeeper	"	Am.	21	"			10	10	2	10			
7629	"	"	"	"	18	"			10	10	12				
7630	Marshall	"	"	"	24	m		2	1	12	12	12			
7631	Detroit	Checker	"	"	36	"			2	12	12	0	3		Lack of work
7632	"	"	"	"	18	s			12	12	12				
7633	Jackson	"	"	"	34	m		2		11	11	12			
7634	"	"	"	"	37	"		2	8	10	10	12			
7635	Bay City	"	"	"	22	s		1	1	10	10	12			
7636	Detroit	"	"	Can.	22	"			12	12	12				
7637	"	"	"	Am.	17	"			11½	11½	12				
7638	"	"	"	"	23	"			12	12	12				
7639	"	Purch'g agt.	"	"	60	m		2	2	8	8	12			
7640	Jackson	Carpenter	"	"	57	"			1	10	10	12			
7641	"	"	"	"	42	"		2	5	10	10	12			
7642	De oi	"	"	Eng.	56	"			10	10	12				
7643	Jackson	"	"	Can.	48	"			4	10	10	12			
7644	"	"	"	Scotch	24	"			10	10	6	6			
7645	"	"	"	Am.	46	"		2		10	9	3			Lack of work

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past year. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
9	mo.	\$40 00		mo.	\$480		\$480		neither		\$60	better	worse
9	"	45 00		"	540		540		"		yes*	same	same
9	"	45 00		"	495		495		"	dec. \$5 mo.	no	better	better
9	"	40 00		"	480		480		"	"	"	worse	
9	"	50 00		"	800		600		"	"	"	same	same
9	"	80 00		"	720		720		"	"	"	better	better
10				"				10	"	neither	yes*	same	worse
10				"				10	"	"	"	same	better
10	mo.	40 00	hr 20c	"	480		480	10	"	"	no	worse	worse
10	day	1 25		"	391		391		"	"	"	"	"
10	mo.	45 00		"	540		540		"	"	"	same	same
10	"	50 00		"	600		600		"	"	100	same	"
9%	"	40 00		"	400		400		inc. \$10 mo.		125	better	"
11	"	45 00		"	540		540		neither		"	same	worse
10	"	40 00		"	480		480		"	neither	80	"	same
11	"	40 00		"	480		480		"	"	no	"	"
12	"	31 00		"	420		420		"	"	50	worse	worse
11	"	45 00		"	540		540		"	"	"	"	"
12	"	40 00		"	480		480		"	"	"	"	"
18%	"	40 00		"	480		480		"	inc. \$5 mo.	no	worse	worse
15	"	40 00		"	480		480		"	neither	"	same	same
12	"	40 00		"	480		480		"	"	"	"	"
12	"	45 00		"	540		540		"	"	"	"	"
15	"	40 00		"	480		480		"	"	"	"	"
11	"	40 00		"	480		480		"	"	"	"	"
10	"	45 00	hr. 20c	"	540		540	10	"	neither	no	same	worse
8	"	45 00		"	540		540		"	inc. \$10 mo	"	"	"
8	"	80 00		"	720		720		"	dec. 0 "	no	worse	worse
8	"	50 00		"	600		600		"	"	no	same	better
8	"	50 00		"	600		600		"	"	"	"	"
8	"	75 00		"	900		900		inc. \$15 mo.	inc. \$30 mo.	yes*	better	"
8	"	45 00		"	135		135		neither	"	no	"	"
10	"	50 00		"	600		600		"	inc. \$25 mo.	no	same	worse
10	"	39 00		"	468		468		"	increase	no	worse	"
10	"	60 00		"	720		720		"	neither	100	"	"
12	"	45 00		"	540		540		"	"	"	same	same
12	"	45 00		"	540		540		neither	"	no	"	better
9	"	41 00	yes*	"	410		410	10	inc. \$5 mo.	neither	"	"	"
12	"	45 00		"	540		540		"	12c day	"	worse	better
13	"	40 00		"	320		320		neither	"	"	same	better
10	"	50 00		"	500		500		"	increase	"	better	"
10	"	40 00		"	440		440		inc. \$5 mo.	dec. \$10 mo.	"	worse	worse
13	"	40 00		"	480		480		neither	"	no	"	"
10	"			"				10	"	"	yes*	"	better
10	mo.	38 00		"	432		432		"	"	no	"	"
10	"	38 00		"	420		420		"	neither	"	same	"
10	"	35 00		"	140		140		"	"	60	"	"
10	"	28 00		"	52		52		"	neither	no	"	same
10	"	30 00		"	360		360		"	"	150	"	better
12	"	50 00		"	600		600		"	inc. \$10mo.	no	better	same
12	"	45 00		"	408		408		"	"	"	"	"
12	"	45 00		"	540		540		"	neither	"	worse	"
11	"	40 00	hr. 15c	"	480		480	11	"	"	"	same	worse
10	"	50 00		"	600		600		"	"	"	same	same
10	"	40 00		"	480		480		"	"	no	worse	same
12	"	45 00		"	540		540		"	dec. \$10 mo.	"	same	same
11%	"	40 00		"	480		480		"	neither	"	worse	"
12	"	45 00		"	540		540		"	"	100	same	same
8	"	68 00		"	780		780		"	increase	"	"	"
10	day	2 40	hr. 24c	"	734		734		"	ne	100	worse	worse
10	mo.	87 00		"	1,044		1,044		"	"	"	"	"
10	"	95 00		"	1,140		1,140		"	"	no	same	same
40	"	90 00		"	1,080		1,080		"	"	200	better	better
10	day	2 00		"	312		312	10	"	"	100	"	"
10	"	2 00		"	468		468		"	"	no	worse	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.				Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.			Months.	Days.	
7646	Jackson	Carpenter	M. C. R. R.	Am.	55	s	10	11	11½	14	Sickness				
7647	"	"	"	Swede.	47	m	7	10	10	12	"				
7648	"	"	"	Am.	49	"	3	10	10	11	"	1	7	Sickness	
7649	"	"	"	Ger.	32	"	1	10	10	12	"				
7650	"	"	"	Am.	49	"	4	10	10	11	"	1	8	Lack of work	
7651	"	"	"	Swede.	43	"	1	10	10	12	"				
7652	"	"	"	Am.	63	"	1	10	10	12	"	10	10	Sickness	
7653	"	"	"	"	48	s	1	10	10	7	"	5	7	"	
7654	"	"	"	"	47	m	6	10	10	12	"	7	8	Holidays	
7655	"	"	"	"	45	"	1	10	10	12	"				
7656	"	"	"	"	45	"	1	10	10	12	"				
7657	"	"	"	Scotch	47	"	1	10	10	12	"				
7714	Detroit	"	"	Nor.	34	"	2	10	10	12	"				
7715	"	"	"	Can.	22	s	2	10	10	12	"				
7716	"	"	"	Ger.	46	m	7	10	10	12	"				
7717	"	"	"	"	32	"	2	10	10	6	"	6			
7718	"	"	"	Am.	61	"	8	10	10	12	"				
7719	"	"	"	Can.	56	"	4	10	10	12	"				
7720	"	"	"	Ger.	42	"	1	10	10	12	"				
7721	"	"	"	"	46	"	2	10	10	12	"				
7722	"	"	"	"	52	"	10	10	10	12	"				
7723	"	"	"	Am.	45	"	5	10	10	12	"				
7724	"	"	"	Ger.	36	"	3	10	10	12	"				
7725	"	"	"	"	33	"	2	10	10	12	"				
7726	"	"	"	"	43	"	5	10	10	12	"				
7727	"	"	"	"	42	"	6	10	10	12	"				
7728	"	"	"	"	31	"	2	10	10	12	"				
7729	"	"	"	Ger.	49	"	3	10	10	12	"				
7730	St. Thomas Ont	"	"	Eng.	36	"	3	10	10	12	"				
7731	Detroit	"	"	Can.	43	"	6	10	10	12	"				
7732	"	"	"	Am.	35	"	1	10	10	19	"				
7733	"	"	"	Can.	34	"	2	10	10	7	"	5		Sickness	
7734	Springwells	"	"	Ger.	26	"	7	10	10	12	"				
7735	Detroit	"	"	"	42	"	2	10	10	12	"				
7736	"	"	"	Can.	40	"	2	10	10	12	"				
7737	"	"	"	Ger.	25	"	2	10	10	12	"				
7738	"	"	"	"	47	"	1	10	10	12	"				
7739	"	"	"	Am.	29	"	1	10	10	12	"				
7740	"	"	"	Ger.	26	"	1	10	10	12	"				
7741	"	"	"	Can.	39	"	7	9	10	12	"				
7742	"	"	"	"	42	"	3	10	10	12	"				
7743	"	"	"	"	36	"	3	10	10	12	"				
7744	"	"	"	"	48	"	3	10	10	12	"				
7745	"	"	"	Am.	76	w	1	10	10	12	"				
7746	"	"	"	Ger.	43	"	6	10	10	12	"				
7747	"	"	"	Scotch	46	"	8	10	10	12	"				
7748	"	"	"	Ger.	39	"	5	10	10	12	"				
7749	"	"	"	"	26	"	1	10	10	12	"				
7750	"	"	"	Am.	43	"	5	9	10	12	"				
7751	"	"	"	Ger.	48	"	2	10	10	12	"				
7752	"	"	"	"	28	"	1	10	10	12	"				
7753	"	"	"	"	46	"	7	10	10	12	"				
7754	"	"	"	Am.	35	"	6	10	10	12	"				
7755	"	"	"	Ger.	55	"	2	9	10	12	"				
7756	"	"	"	"	46	"	2	10	10	12	"				
7757	"	"	"	"	37	"	3	10	10	12	"				
7758	"	"	"	Eng.	60	"	1	10	10	5	"	7		Sickness	
7759	"	"	"	Am.	46	"	4	10	10	12	"				
7760	"	"	"	Ger.	43	"	5	10	10	12	"				
7761	"	"	"	"	36	"	5	10	10	12	"				
7762	"	"	"	"	34	"	3	10	10	12	"				
7763	"	"	"	Can.	37	w	3	10	10	12	"				
7764	"	"	"	Ger.	30	m	1	10	10	12	"				
7765	"	"	"	Am.	37	"	4	10	10	9	"	3		Lack of work	
7766	"	"	"	Ger.	49	"	2	10	10	12	"				
7767	"	"	"	"	38	w	5	10	10	12	"				
7768	"	"	"	"	53	m	1	10	10	12	"				

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per			Regular time.	Overtime.	Total.						
10%	day	\$3 00	hr. 20c	mo.	\$596	---	\$596	10	neither	neither	\$100	same	better
10	mo.	50 00	hr. 20c	"	600	---	600	---	"	inc. 25c day	no	"	same
10	day	2 40	" 20c	"	686	---	686	---	"	neither	150	"	same
10	"	2 00	" 25c	"	612	\$5	617	---	inc. 25c day	"	150	better	better
10	"	2 50	" 25c	"	715	---	715	---	neither	"	800	"	"
10	"	2 00	" 20c	"	618	---	618	11	inc. 20c day	inc. 5%	no	same	"
10	"	2 00	" 20c	"	604	---	604	10	neither	dec. 75c day	200	worse	worse
10	"	1 75	" 17%	"	318	---	318	---	dec. 75c day	neither	no	same	same
10	"	2 00	" 20c	"	612	---	612	10	neither	"	no	same	same
10	"	2 00	hr. 20c	"	606	---	606	11	"	"	"	worse	worse
10	"	2 40	hr. 20c	"	509	7	516	11	inc. 10c day	inc. 25c day	100	better	better
10	"	2 00	hr. 20c	"	620	---	620	11	neither	neither	190	same	"
10	"	1 75	yes*	"	548	7	555	10	"	inc. 25c day	200	better	better
10	"	1 80	"	"	553	---	553	10	"	neither	no	worse	worse
10	"	1 80	"	"	277	---	277	10	"	"	"	same	same
10	"	1 80	"	"	553	---	553	10	"	neither	"	worse	worse
10	"	1 80	"	"	553	---	553	10	"	"	"	better	"
10	"	1 80	"	"	553	---	553	10	"	"	"	same	same
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	worse	worse
10	"	1 80	yes*	"	553	---	553	10	"	"	"	"	same
10	"	1 80	"	"	553	---	553	10	"	"	"	"	same
10	"	1 80	"	"	553	---	553	10	"	"	"	"	worse
10	"	2 00	"	"	626	---	626	---	"	neither	"	same	same
10	"	2 00	"	"	626	---	626	---	"	"	50	"	"
10	"	2 00	yes*	"	626	---	626	10	"	neither	no	"	"
10	"	2 00	"	"	626	---	626	---	"	"	yes*	"	"
10	"	2 00	"	"	626	---	626	---	"	"	no	worse	"
10	"	2 00	"	"	364	---	364	---	"	"	"	same	"
10	"	1 80	yes*	"	553	---	553	10	"	dec. 20c day	"	"	better
10	"	1 80	"	"	553	---	553	10	"	neither	"	"	same
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	dec. 20c day	50	worse	worse
10	"	1 90	"	"	595	---	595	10	"	neither	no	same	same
10	"	1 80	"	"	553	---	553	10	"	"	"	worse	worse
10	"	1 80	"	"	553	---	553	10	"	dec. 45c day	"	same	same
10	"	1 80	"	"	553	---	553	10	"	neither	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	worse	worse
10	"	1 80	"	"	553	---	553	10	"	"	"	same	same
10	"	1 90	"	"	595	---	595	10	"	"	"	"	"
10	"	1 90	yes*	"	595	---	595	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	dec. 10%	yes*	worse	worse
10	"	1 80	"	"	553	---	553	10	"	inc. 20c day	no	same	same
10	"	1 80	"	"	553	---	553	10	"	neither	"	worse	"
10	"	1 90	"	"	595	---	595	10	"	"	"	same	"
10	"	1 90	"	"	595	---	595	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 90	"	"	595	---	595	10	"	inc. 10c day	"	"	better
10	"	2 00	"	"	626	---	626	10	"	neither	yes*	same	same
10	"	1 90	"	"	595	---	595	10	"	"	no	"	"
10	"	2 00	"	"	626	---	626	10	"	"	"	worse	worse
10	"	1 80	yes*	"	280	---	280	---	"	neither	"	same	same
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	worse	worse
10	"	1 90	"	"	595	---	595	10	"	"	"	same	same
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	421	---	421	10	"	"	"	"	"
10	"	1 90	"	"	595	---	595	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	10	"	"	"	"	"
10	"	1 80	"	"	553	---	553	---	"	"	"	worse	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.		Days.
7768	Detroit.	Carpenter	M. C. R. R.	Am.	42	m	2	6	10	10 12			
7769	"	"	"	Ger.	38	"	2		10	10 9		3	Sickness
7844	"	"	"	Am.	57	s			10	10 12			Vacation
7845	Niles	"	"	Ger.	54	m	2	3	12	12 12			
7846	"	"	"	"	41	"	2	3	12	12 12			
7847	"	"	"	"	34	"	2	3	12	12 12			
7848	"	"	"	"	22	s			12	12 12			
7849	Jackson.	"	"	Am.	38	m	2		12	12 12			
7850	"	"	"	Ger.	57	"	4	1	11	11 12			
7851	"	"	"	Am.	30	"	2	2	13	13 12			
7852	"	"	"	"	24	s			10	10 12			
7853	"	"	"	"	37	"			10	10 12			
7854	"	"	"	"	36	m	2	3	10	10 11 1/4	1/4	5	Sickness
7855	Detroit	Preseman	"	Ger.	39	"	2	1	10	10 12			
7856	"	M's't'r paint'r	"	Can.	39	"	2	2	10	10 12			
7857	Jackson.	"	"	Am.	49	"	3	3	10	10 12			
7859	"	Preseman	"	"	52	"	3	2	10	10 12			
7859	Detroit.	Decorator	"	"	35	"	2	1	10	10 12			
7882	"	Painter	"	French	49	"	2	3	10	10 12			
7843	"	"	"	Ger.	42	"	2	6	10	10 12			
7844	"	"	"	Am.	27	"	2		10	10 12			
7885	"	"	"	"	16	s			10	10 12			
7886	"	"	"	"	16	"			10	10 12			
7887	"	"	"	"	16	"			10	10 12			
7888	"	"	"	"	18	"			10	10 12			
7889	"	"	"	Ger.	54	m	2	3	10	10 12			
7890	"	"	"	"	46	"	2	5	10	10 12			
7891	"	"	"	Am.	35	s			10	10 12			
7892	"	"	"	"	49	m	2		10	10 12			
7893	"	"	"	"	19	s			10	10 12			
7894	"	"	"	"	29	"	2		10	10 11 1/4		18	Sickness
7895	Jackson.	"	"	"	33	m	2	1	10	10 9		3	
7896	"	"	"	"	40	"	2	3	10	10 12		6	
7897	"	"	"	Ger.	33	"	2	6	10	10 11		1	
7898	"	"	"	Am.	25	"	2		10	10 12			
7899	"	"	"	"	52	"	2	1	10	10 8		4	Lack of work
7900	"	"	"	Can.	44	"	2	5	10	10 12			
7901	"	"	"	Am.	49	"	3	1	10	10 12			
7902	"	"	"	"	23	s			10	10 7		5	Lack of work
7903	"	"	"	Ger.	24	"			10	10 12		7	
7904	"	"	"	Scotch	39	m	2		10	10 12			
7905	"	"	"	Am.	26	s			10	10 8		4	Sickness
7906	"	"	"	Ger.	37	m	2		10	10 12			
7907	"	"	"	Am.	29	"	2	1	10	10 11 1/4		13	Sickness
7908	"	"	"	Irish	50	"	8	3	10	10 12		5	
7909	"	"	"	Am.	33	"	2		10	10 12		5	Sickness
7910	Detroit	Air b. insp'r	"	Ger.	30	"	2	1	10	10 12			
7911	"	"	"	"	33	s			10	10 12			
7912	Bangor	*Repairer	"	"	42	m	2	7	10	10 12			
7913	West Detroit	*Car rep'r	"	Scotch	51	s			10	10 12			
7914	Detroit.	†	"	Am.	46	m	2		10	10 12			
7915	Bay City	Master mech.	"	Can.	45	"	2	5	10	10 12			
7916	Jackson	*Machinery	"	Am.	33	"	2	1	10	10 12		4	Sickness
7917	"	"	"	Irish	46	"	3	4	10	10 12		6	
7918	"	"	"	Am.	40	"	2	2	10	10 11		1	Sickness
7919	"	"	"	"	53	"	2	1	10	10 12		6	
7920	"	"	"	"	40	"	2	1	10	10 12		7	Sickness
7921	"	"	"	Can.	34	s			10	10 12			
7922	"	"	"	Am.	33	m	2		10	10 12		7	
7923	"	"	"	"	38	"			10	10 12			
7924	"	"	"	Ger.	33	"	2	2	10	10 12			
7925	"	"	"	Am.	31	"	2		10	10 11 1/4		14	
7926	"	Machinist	"	Scotch	49	"	6	1	10	10 12		3	Sickness
7927	"	"	"	Am.	23	s			10	10 12		10	
7928	"	"	"	"	23	"			10	10 5		7	
7929	"	"	"	"	17	"			10	10 11 1/4		21	Sickness

* Foreman.

† Assistant foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 80	---	mo.	\$553	---	\$553	---	neither	dec. 10%	no	worse	worse
10	"	1 80	---	"	421	---	421	---	"	10%	"	"	"
10	"	1 40	---	"	435	---	435	---	"	decrease	"	same	"
12	mo.	45 00	---	"	540	---	540	---	"	neither	no	"	"
12	"	45 00	hr. 14c	"	540	---	540	---	"	"	"	"	same
12	"	45 00	---	"	540	---	540	---	"	"	"	"	"
12	"	45 00	---	"	540	---	540	---	"	"	\$100	"	worse
12	"	45 00	hr. 15c	"	540	---	540	12	"	"	---	"	same
11	"	48 00	---	"	516	---	516	---	"	"	---	"	"
13	"	48 00	---	"	516	---	516	---	"	"	100	"	"
10	day	1 25	hr 12½c	"	391	---	391	---	"	"	125	"	better
10	"	1 25	" 12½c	"	385	\$7	392	10	"	"	---	"	"
10	mo.	46 00	" 20c	"	529	---	529	10	"	"	---	"	same
10	"	49 00	yes*	"	588	---	588	10	"	"	---	"	"
10	"	100 00	---	"	1,200	---	1,200	10	"	"	300	worse	worse
10	day	3 50	hr 35c	"	1,095	---	1,095	10	"	"	yes*	same	"
10	"	1 50	" 15c	"	470	10	480	10	inc. 10c day	inc. 25c day	no	worse	better
10	mo.	58 00	yes*	"	690	---	690	10	neither	neither	125	same	"
10	day	1 90	---	"	598	---	598	---	"	"	---	"	same
10	"	1 80	yes*	"	562	---	562	10	"	"	50	"	worse
10	"	1 80	---	"	562	---	562	10	"	"	no	better	"
10	"	75	---	"	284	---	284	10	"	"	5	"	"
10	"	75	---	"	284	---	284	10	"	"	no	"	"
10	"	85	yes*	"	285	---	285	10	"	"	---	worse	"
10	"	90	---	"	281	---	281	10	"	"	---	same	same
10	mo.	52 00	yes*	"	624	---	624	10	"	neither	---	"	"
10	"	52 00	---	"	624	---	624	10	"	"	---	worse	"
10	"	52 00	yes*	"	624	---	624	10	"	"	---	same	"
10	"	52 00	---	"	624	---	624	10	"	"	---	"	"
10	"	30 00	---	"	499	---	499	10	inc. 80c day	inc. \$1 day	120	better	"
10	"	52 00	hr 20c	"	585	---	585	---	neither	dec. 25c day	no	same	"
10	"	29 00	" 15c	"	468	---	468	10	"	neither	20	"	"
10	day	1 75	" 17½c	"	459	---	459	10	inc. 40c day	"	---	"	better
10	"	2 00	" 20c	"	500	---	500	10	neither	"	no	"	worse
10	"	2 10	" 21c	"	624	---	624	10	"	"	---	"	"
10	"	2 50	" 25c	"	480	---	480	10	"	"	75	"	same
10	"	2 00	" 20c	"	780	---	780	10	"	"	no	better	better
10	"	1 80	---	"	626	---	626	10	"	"	125	same	same
10	"	2 00	---	"	626	---	626	10	"	"	no	worse	"
10	"	2 10	---	"	612	---	612	---	"	"	100	same	"
10	"	2 10	---	"	657	---	657	---	"	"	no	"	same
10	mo.	50 00	---	"	400	---	400	---	"	"	---	"	worse
10	day	2 00	hr 20c	"	626	---	626	10	"	"	100	"	better
10	"	1 75	" 17½c	"	523	---	523	10	"	"	125	"	"
10	"	1 75	" 17½c	"	537	---	537	10	"	"	---	"	worse
10	"	1 75	" 17½c	"	537	---	537	10	"	"	no	"	same
10	mo.	40 00	---	"	480	---	480	---	"	"	---	worse	worse
10	"	50 00	---	"	600	---	600	---	"	"	50	better	"
10	"	40 00	---	"	720	---	720	---	"	inc. \$15 mo.	---	worse	"
10	"	83 33¼	yes*	"	1,000	---	1,000	10	"	neither	---	same	same
10	"	55 00	---	"	660	---	660	10	"	"	100	"	"
10	"	125 00	---	"	1,500	---	1,500	---	"	"	---	"	"
10	day	2 35	hr 22c	"	680	---	680	10	"	inc. \$17 mo.	yes*	better	better
10	"	2 70	" 27c	"	828	---	828	10	"	"	100	same	"
10	"	2 40	---	"	696	100	786	10	inc. 15c day	dec. 15c day	no	"	same
10	"	2 40	yes*	"	784	---	784	10	neither	neither	100	"	better
10	"	2 70	---	"	826	40	866	10	"	"	100	"	same
10	"	2 70	yes*	"	845	---	845	---	"	inc. 35c day	yes*	worse	"
10	"	2 70	hr 27c	"	826	10	886	10	"	neither	no	same	same
10	"	2 40	yes*	"	751	---	751	10	"	"	---	"	"
10	"	2 70	---	"	845	12	857	10	"	"	---	better	better
10	"	2 70	---	"	806	---	806	10	"	"	400	"	"
10	"	2 50	---	"	774	---	774	10	"	"	no	ame	worse
10	"	1 25	hr 12½c	"	878	20	898	10	"	"	100	"	"
10	"	1 25	---	"	168	12	176	10	inc. 25c day	"	35	"	same
10	"	1 00	---	"	291	---	291	10	neither	"	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.		Causes for lost time.
							Admits.	Children.	Winter.	Summer.	Months worked.	Months.		Days.
7980	Jackson	Machinist...	M. C. R. R.	Am.	18	s			10	10 12		4	Sickness
7981	"	"	"	"	15	s			10	10 11 1/2		14	"
7982	"	"	"	Ger.	33	m		7	10	10 12		3	"
7983	"	"	"	Am.	35	s		2	10	10 11	1		"
7984	"	"	"	Eng.	23	s			10	11 1/2		14	"
7985	"	"	"	Am.	22	s			10	10 11 1/2		14	"
7986	"	"	"	"	37	m		3	10	10 12			"
7987	"	"	"	"	22	s			10	10 12		7	"
7988	"	"	"	Irish	22	s			10	10 12			"
7989	"	"	"	Ger.	47	m		2	10	10 12			"
7990	"	"	"	Am.	35	s			10	10 12		14	"
7997	"	"	"	"	39	s		4	10	10 12			"
7998	"	"	"	"	33	s		1	10	10 12			"
7999	Detroit	"	"	"	28	s		1	10	10 12			"
8000	"	"	"	"	23	s			10	10 12			"
8001	"	"	"	Ger.	42	m		5	9	10 12			"
8002	"	"	"	Am.	30	s		3	10	10 12			"
8003	"	"	"	"	24	s			10	10 12			"
8004	"	"	"	"	41	m		2	10	10 12			"
8005	"	"	"	Irish	70	s			10	10 12			"
8006	West Bay City	"	"	"	35	s		1	10	10 12			"
8007	"	"	"	Am.	27	s			10	10 12			"
8008	"	"	"	"	22	s			10	10 12			"
8009	"	"	"	"	52	m		2	10	10 12			"
8010	Detroit	"	"	"	25	s			9	10 10		2	Sickness
8011	"	"	"	Can.	25	s		2	10	10 11		1	Vacation
8012	"	"	"	Am.	22	s			10	10 12		7	"
8013	"	"	"	French	37	m		4	10	10 12			"
8014	"	"	"	Am.	58	s		10	10 10	10 10	2		Vacation
8015	"	"	"	"	19	s			10	10 12			"
8016	"	"	"	Ger.	53	m		7	10	10 12			"
8017	"	"	"	Am.	64	s		2	10	10 11 1/2		12	Vacation
8018	"	"	"	Can.	54	s		4	10	10 11	1		Sickness
8019	"	"	"	Am.	24	s			10	10 12			"
8020	Jackson	"	"	"	18	s			10	10 12		7	Sickness
8021	"	"	"	"	21	s			10	10 11	1	6	"
8022	Detroit	"	"	"	26	s			10	10 12			"
8023	"	"	"	Irish	44	s			10	10 12			"
8024	"	"	"	Am.	24	s			10	10 12			"
8025	West Bay City	"	"	"	18	s			10	10 12			"
8026	Jackson	"	"	"	32	m		3	10	11	1		Sickness
8027	"	"	"	Ger.	45	s		7	10	10 12		5	"
8028	"	"	"	Am.	20	s			10	10 11		1	"
8029	"	"	"	"	18	s			10	9	3		"
8030	"	"	"	Ger.	29	m		3	10	10 12			"
8031	"	"	"	"	29	s			10	10 12			"
8032	"	"	"	Am.	21	s			10	10 12			"
8033	"	"	"	"	13	s			10	10 11		7	Sickness
8034	"	"	"	"	29	m		2	10	10 12			"
8035	"	"	"	"	32	s		2	10	10 12		3	"
8036	"	"	"	"	28	s		1	10	10 11 1/2	21		"
8037	"	"	"	"	19	s			10	10 12			"
8038	"	"	"	Ger.	23	s			10	10 12		7	Sickness
8039	"	"	"	Am.	22	m			10	10 11 1/2		14	"
8040	"	"	"	"	15	s			10	10 12			"
8041	"	"	"	"	29	s			10	10 10		2	"
8042	"	"	"	Nor.	32	m		2	10	10 12		7	Sickness
8043	"	"	"	Am.	22	s				12		10	"
8044	"	"	"	"	19	s			10	10 12			"
8045	"	"	"	Eng.	35	m		4	10	10 12			"
8046	"	"	"	Am.	28	s			10	10 10		2	Sickness
8047	"	"	"	"	30	s			10	10 10		2	"
8048	"	"	"	"	28	s			10	10 12		6	"
8049	"	"	"	"	22	m		2	10	10 11		1	"
8182	"	Boiler maker	"	Scotch	47	s		4	10	10 12			"
8183	"	"	"	Ger.	29	s			10	10 12		2	Sickness

Railway employés.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 50	hr. 15c	mo.	\$468	\$15	\$478	10	inc. 25c day	neither	\$50	better	better
10	"	1 50	"	"	447	30	477	10	" 25c	"	75	same	same
10	"	1 75	yes*	"	542		542	10	neither	"	no	"	same
10	"	1 75	"	"	500		500	10	"	"	"	"	worse
10	"	1 50	"	"	448		448	10	inc. 25c day	"	"	"	"
10	"	1 50	"	"	448	10	458	10	" 25c	"	75	"	"
10	"	2 40	"	"	751		751	10	neither	inc. 15c day	900	"	better
10	"	1 50	"	"	459	5	464	10	"	neither	no	"	"
10	"	1 25	"	"	391	5	396		inc. 25c day	"	"	"	same
10	"	2 00	hr. 20c	"	626	20	646	10	neither	"	"	"	"
10	"	1 50	" 15c	"	448	35	483	10	inc. 25c day	"	"	better	better
10	"	2 40	" 24c	"	751		751	10	neither	"	"	same	same
10	"	2 25	hr 22½c	"	704	25	729	10	"	"	150	"	better
10	mo.	62 00	"	"	744		744		"	inc. 10c day	no	"	same
10	"	61 00	yes*	"	732		732	10	"	neither	no	"	better
9½	"	62 00	"	"	744		744	10	"	inc. 20c day	"	"	"
10	"	62 00	"	"	744		744	10	"	neither	150	worse	same
10	"	60 00	"	"	720		720	10	inc. 25c day	inc. 50c day	no	same	"
10	"	56 00	"	"	672		672	10	neither	neither	75	"	"
10	"	45 00	"	"	540		540		"	"	no	"	"
10	day	2 20	"	"	689		689	11	"	"	no	worse	worse
10	"	2 00	"	"	628		628		"	"	"	"	"
10	"	2 00	"	"	628		628		"	"	"	same	same
10	"	2 25	"	"	704		704		"	"	"	"	"
9½	mo.	60 00	"	"	600		600		"	"	200	"	"
10	"	39 00	hr. 12½c	"	429	50	479	10	"	"	100	"	"
10	"	45 00	yes*	"	530		530	10	inc. 47 mo.	inc. \$15 mo.	300	"	"
10	"	60 00	"	"	720		720	10	neither	dec. 52c day	no	worse	"
10	"	35 00	"	"	380		380	10	"	" 10c	no	worse	"
10	"	25 00	hr. 10c	"	396		396	10	"	neither	"	same	"
10	"	65 60	yes*	"	780		780	10	"	"	200	"	"
10	"	65 00	"	"	752		752	10	"	"	200	"	"
10	"	53 00	yes*	"	533		533	10	"	"	no	"	"
10	"	29 00	"	"	348		348	10	"	"	"	"	"
10	day	1 50	"	"	459	20	479	10	inc. 25c day	neither	120	better	"
10	"	2 25	"	"	632	20	652	10	" 25c	inc. \$1.25 day	300	same	same
10	mo.	80 00	hr. 22½c	"	960		960	10	" 50c	" 1.15	500	"	"
10	"	90 00	"	"	1,080		1,080		neither	neither	300	"	"
10	"	40 00	yes*	"	480		480	10	inc. 25c day	"	no	"	better
10	day	1 00	"	"	313		313	10	neither	"	no	worse	worse
10	"	2 40	"	"	689	15	704	10	"	neither	100	same	better
10	"	2 40	"	"	739	1	740	10	"	neither	no	"	worse
10	"	1 50	"	"	480	20	450	10	inc. 25c day	"	no	better	"
10	"	1 10	"	"	258		258	10	neither	"	"	same	"
10	"	2 40	"	"	751	12	763	10	"	"	200	"	better
10	"	1 00	"	"	344		344	10	"	"	no	"	same
10	"	1 25	"	"	391		391	10	inc. 25c day	"	"	"	"
10	"	1 00	"	"	306	10	316	10	neither	"	"	worse	worse
10	"	2 40	"	"	751	50	801	10	"	"	yes*	same	same
10	"	2 25	yes*	"	697		697	10	"	"	no	"	"
10	"	2 00	yes*	"	584	25	609	10	inc. 50c day	"	yes*	better	better
10	"	1 10	yes*	"	344		344	10	neither	"	no	same	same
10	"	1 00	"	"	306		306	10	"	"	60	"	"
10	"	1 50	"	"	448		448	10	inc. 25c day	"	no	better	better
10	"	1 10	yes*	"	344		344	10	neither	"	25	"	"
10	"	2 25	yes*	"	585	15	600		inc. 25c day	"	no	same	"
10	"	2 35	yes*	"	688		688		" 25c	"	yes*	better	"
10	"	2 00	"	"	606	10	616	10	" 25c	"	no	worse	same
10	"	1 50	"	"	469		469	10	" 25c	"	"	same	better
10	"	2 25	"	"	704		704	10	neither	"	"	"	same
10	"	2 25	"	"	585	5	590	10	inc. 25c day	"	"	"	"
10	"	1 00	"	"	260	5	265	10	neither	"	200	"	"
10	"	1 75	hr. 17½c	"	537	19	547	10	inc. 25c day	inc. 50c day	100	better	better
10	"	2 35	" 23½c	"	643	10	653	10	" 25c	"	200	worse	worse
10	"	2 40	"	"	751		751	10	neither	"	no	same	same
10	"	2 40	yes*	"	746	25	771	10	"	"	150	"	worse

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.	Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.			Months.	Days.	
8164	Jackson	Boilermak'r	M. C. R. R.	Am.	20	s			10	10 12			
8165	"	"	"	"	18	"			10	10 12			
8166	"	"	"	"	22	"			10	10 11 1/4		21	Lack of work
8167	"	"	"	Can.	20	"			10	10 2			
8168	"	"	"	Eng.	28	m	2	2	10	10 12			
8169	"	"	"	"	23	"			10	10 11		1	Sickness
8170	"	"	"	Am.	20	"			10	10 12			
8171	"	"	"	"	20	"			10	10 9		3	Sickness
8172	"	"	"	Scotch	20	"			10	10 10		2	"
8173	"	"	"	Am.	34	m	2	1	10	11 1/4		21	"
8174	"	Helper	"	Ger.	30	"	2	2	10	10 12			
8175	Detroit	Boilermak'r	"	Am.	23	"			10	10 12			
8176	Jackson	"	"	"	43	"	2	1	10	10 12			
8177	Detroit	"	"	"	20	s			10	10 12			
8178	Jackson	"	"	Dane	34	m	2	2	10	10 12			
8179	"	Helper	"	"	25	"			10	10 12			
8180	"	"	"	Ger.	46	"	4	10	10	10 10		2	Sickness
8181	"	Blacksmith	"	Irish	53	"	2	3	10	10 12			
8206	Detroit	M'chine h'nd	"	Ger.	21	s			9	10 12			
8207	"	"	"	"	47	m	2	8	10	10 12			
8208	"	"	"	"	50	"		8	10	10 12			
8209	"	"	"	"	41	"		4	9	10 12			
8210	"	"	"	Eng.	30	"		1	9	10 12			
8211	Springwells	"	"	Ger.	50	"		6	9	10 12			
8212	"	"	"	"	54	"		3	10	10 12			
8213	"	"	"	"	40	"		5	10	10 12			
8214	"	"	"	"	36	"		2	10	10 12			
8215	"	"	"	"	34	"		5	10	10 12			
8216	Detroit	"	"	Irish	39	s			9	10 12			
8217	"	"	"	Am.	45	"			9	10 11 3/4		1 1/2	
8218	"	"	"	Ger.	45	m	2	5	9	10 12			
8219	"	"	"	Can.	20	s			10	10 6		6	Vacation
8220	Jackson	M'chine help	"	Am.	18	"			10	10 11		1	Sickness
8221	"	"	"	"	38	m	2	6	10	10 11 1/2		13	"
8222	Detroit	Gas fitter	"	Swede.	44	"		4	10	10 12			
8223	"	Cooper	"	Am.	53	"			12	12 12			
8224	Bay City	Blacksmith	"	Eng.	49	"			10	10 12			
8225	Jackson	"	"	Am.	28	"	2	2		12			
8226	"	"	"	Ger.	51	"		5	10	10 12			
8227	"	"	"	Am.	44	"		1	10	10 12			
8228	"	"	"	Irish	32	"		1	10	10 10			
8229	"	"	"	Ger.	28	"	2	1	10	10 11		2	Sickness
8230	"	"	"	Am.	46	w	1	4	10	10 11 1/4		21	"
8231	"	"	"	Ger.	42	m		7	10	10 12			
8232	"	"	"	"	62	"	2	1	10	10 12			
8233	"	"	"	Can.	30	"		3	10	10 12		10	
8234	"	"	"	Ger.	33	"		4	10	10 12		4	Sickness
8235	"	"	"	Can.	40	"		3	10	10 12			
8236	"	"	"	Eng.	34	"		4		11 1/2		13	
8237	"	"	"	"	46	"		3	10	10 12			
8238	Detroit	"	"	Ger.	37	"		6	9	10 12			
8239	"	"	"	"	43	"		6	9	10 12			
8240	"	"	"	"	34	"		1	9	10 12			
8241	"	"	"	"	43	"		7	10	10 12			
8242	Jackson	"	"	Irish	34	"		4	10	10 12			
8243	Detroit	"	"	Boh.	52	"		4	9	10 12			
8244	"	"	"	Ger.	43	"		3	9	10 12			
8245	"	"	"	"	44	"		2	10	10 12			
8246	"	"	"	Am.	27	"		3	9	10 8		4	Lack of work
8247	"	"	"	Ger.	35	"		2	9	10 12			
8248	"	"	"	"	62	"		4	10	10 12			
8249	"	"	"	Am.	31	"		1	9	10 12			
8250	"	"	"	Eng.	52	"		6	9	10 12			
8251	"	"	"	Irish	48	w	1	5	9	10 9		3	Sickness
8252	"	"	"	Am.	60	m		3	10	10 12			
8253	Bay City	"	"	Ger.	38	"		1	10	10 12			

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount	per.			Regular time.	Overtime.	Total.						
10	day	\$1 25	yes*	mo.	\$391	\$10	\$401	10	inc. 25c day	inc. 25c day	no	better	same
10	"	1 00	"	"	313	1	314	10	neither	neither	"	worse	worse
10	"	1 00	"	"	292	5	297	10	"	"	"	same	"
10	"	1 00	hr. 10c	"	52		52	10	"	"	\$20	"	same
10	"	2 00	yes*	"	626	20	646	10	inc. 25c day	neither	no	"	"
10	"	1 00	"	"	286	10	296	10	neither	neither	"	better	"
10	"	1 50	"	"	469		469	10	"	"	"	worse	"
10	"	1 50	"	"	351	10	361	10	inc. 25c day	"	"	"	"
10	"	1 75	"	"	456	10	466	10	" 25c	"	120	same	same
10	"	2 60	"	"	759		759	10	neither	"	"	worse	same
10	"	1 40	hr. 14c	"	438	20	458	10	"	"	no	"	same
10	mo.	32 00	"	"	354		354	10	"	"	75	worse	worse
10	day	2 20	hr. 22c	"	659	30	719	10	"	"	300	same	same
10	mo.	34 00	"	"	408		408	10	"	"	no	"	"
10	day	2 25	hr. 22½c	"	704	40	744	10	"	"	100	worse	same
10	"	1 25	" 12½c	"	391	20	411	10	"	"	50	same	"
10	"	1 25	" 12½c	"	325	20	345	10	"	"	no	"	"
10	"	3 25	" 32½c	"	1,017		1,017	10	"	"	yes*	"	"
9½	mo.	44 00	yes*	"	528		528	10	"	"	no	same	"
10	"	35 00	"	"	420		420	10	"	"	"	"	"
10	"	34 00	"	"	408		408	10	"	"	"	"	"
9½	"	49 00	"	"	588		588	10	"	"	"	worse	worse
9½	"	39 00	"	"	468		468	10	"	dec. 10%	"	"	"
9½	"	30 00	"	"	360		360	10	"	neither	"	same	same
10	"	39 00	"	"	468		468	10	"	"	"	"	"
10	"	31 00	"	"	372		372	10	"	"	"	"	"
10	"	40 00	"	"	480		480	10	"	"	"	"	"
10	"	39 00	"	"	468		468	10	"	"	"	"	"
9½	"	39 00	"	"	468		468	10	"	"	yes*	"	"
9½	"	39 00	"	"	458		458	10	"	"	no	"	"
9½	"	39 00	"	"	468		468	10	"	"	"	"	"
10	"	40 00	"	"	240		240	10	"	"	"	"	"
10	day	1 10	hr. 11c	"	315	10	325	10	"	neither	40	better	"
10	"	1 30	" 13c	"	380	20	410	10	"	"	no	worse	"
10	mo.	42 00	"	"	504		504	10	"	dec. 15c day	"	same	"
12	day	1 50	"	"	469		469	10	"	neither	"	"	"
10	"	2 25	yes*	"	704		704	10	"	"	"	"	"
10	"	1 75	"	"	548	2	550	10	inc. 15c day	neither	no	same	"
10	"	2 50	hr. 25c	"	782		782	10	neither	"	yes*	"	better
10	"	2 40	" 24c	"	780		780	10	"	"	no	"	"
10	"	2 30	" 23c	mo.	598		598	10	inc. 15c day	"	100	better	"
10	"	2 25	yes*	"	643	2	645	10	neither	"	no	worse	worse
10	"	2 00	hr. 20c	"	584	5	589	10	"	"	"	same	same
10	"	2 50	" 25c	"	782		782	10	"	"	"	"	"
10	"	1 70	" 17c	"	532		532	10	"	"	"	worse	worse
10	mo.	50 00	" 20c	"	553		553	10	"	"	"	same	same
10	day	\$2 25	" 22½	"	696		696	10	"	"	125	better	better
10	"	2 50	" 25c	"	782		782	10	"	"	no	worse	worse
10	"	2 25	" 22½	"	675		675	10	"	"	"	same	"
10	"	2 25	" 22½	"	704		704	10	"	"	"	worse	worse
9½	"	2 00	"	"	626		626	10	"	"	"	"	"
9½	mo.	55 00	yes*	"	690		690	10	"	"	"	"	"
9½	day	1 75	"	"	548		548	10	"	"	"	"	"
10	mo.	40 00	"	"	480		480	10	"	"	"	same	same
10	day	2 25	hr. 22½c	"	704		704	10	"	"	"	"	"
9½	mo.	60 00	yes*	"	720		720	10	"	"	"	worse	worse
9½	"	57 00	"	"	684		684	10	"	"	"	same	same
10	"	40 00	"	"	480		480	10	inc. 10c day	"	"	worse	worse
9½	"	35 00	"	"	250		250	10	neither	"	"	"	"
9½	day	1 80	yes*	"	469		469	10	"	"	"	"	"
10	mo.	55 00	"	"	690		690	10	"	"	200	same	same
9½	"	56 00	"	"	690		690	10	"	"	no	worse	worse
9½	"	54 00	"	"	643		643	10	"	"	"	better	"
9½	day	2 20	"	"	515		515	10	"	"	"	"	better
10	mo.	42 00	"	"	504		504	10	"	"	"	worse	same
10	day	2 50	"	"	782		782	10	"	"	yes*	same	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
8254	Jackson	Blacksmith*	M. C. R. R.	Irish	48	m	2	13	10	10 12					
8255	"	"	"	"	28	m	2		10	10 10			2		Sickness
8256	"	"	"	"	30	m	2	4	10	10 11			1		
8257	"	"	"	Am.	30	m	2		10	10 6			6		Lack of work
8258	"	"	"	"	33	m	2		10	10 12			7		Sickness
8259	"	"	"	"	28	m	2		10	10 11			1	5	
8260	"	"	"	"	40	"	1		10	10 10			2		
8261	"	"	"	Irish	48	"	4		10	10 12			8		Sickness
8262	"	"	"	Am.	30	"			10	10					
8263	"	"	"	"	37	m	3		10	10					
8274	"	"	"	Ger.	21	"			9	10 12					
8275	"	"	"	Aus.	32	"	12		9	10 10					
8276	"	"	"	Ger.	23	"	1		10	10 9			3		Lack of work
8277	"	"	"	Boh.	32	"	1		10	10 12					
8278	"	"	"	"	33	"			9	10 12					
8279	"	"	"	Ger.	25	"			10	10 12					
8280	Bay City	"	"	Pole	36	m			10	10 12					
8281	"	"	"	Ger.	39	"	12		10	10 12					
8282	Detroit	Tinner	"	Eng.	49	"			10	10 12					
8283	Jackson	"	"	"	60	"			10	10 12					
8284	Detroit	"	"	Am.	35	"	4		10	10 12					
8285	"	"	"	"	32	"	2		10	10 12					
8286	Jackson	"	"	Ger.	39	"	2		10	10 12			4		Sickness
8287	Detroit	"	"	"	21	"			10	10 12					
8288	"	"	"	French	43	"	4		10	10 12					
8289	Jackson	"	"	Ger.	29	"	3		10	10 11		1			Sickness
8290	"	"	"	Am.	34	"	3		10	10 11½			14		"
8291	"	"	"	"	55	"	4		10	10 11¾			7		"
8292	"	Helper	"	"	57	"	6		10	10 11½		½			"
8293	Detroit	Molder	"	Pole	31	"	5		9	12					
8294	Kalamazoo	Yardmaster	"	Am.	39	"	2		12	12 12					
8295	Ann Arbor	"	"	Can.	35	"			10	10 12					
8296	Owosso	"	"	Welch	36	m	2			12					
8297	Grand Rapids	"	"	Am.	45	"	2		11	11 12					
8298	Niles	"	"	"	37	"	2		10	10 12					
8299	Detroit	"	"	Scotch	38	"	4		12	12 12					
8300	"	"	"	Can.	28	"	12		12	12 12					
8301	"	"	"	Am.	37	"	3		10	10 12					
8302	"	"	"	"	30	"	1		10	10 12					
8303	"	"	"	"	37	"	2		10	10 12			10		Sickness
8304	Kalamazoo	Switchman	"	Ger.	34	"	3		12	12 12					
8305	"	"	"	Am.	31	"			11	11 12					
8306	"	"	"	"	35	"	3		11	11 12					
8307	Jackson	"	"	"	37	"			1	12 12 12					
8308	Niles	"	"	"	22	"	1		12	12 11½			13		Lack of work
8309	"	"	"	Ger.	33	"	2		12	12 12					
8310	Jackson	"	"	Am.	43	"	3		12	12 12					
8311	"	"	"	"	52	"	2		12	12 12					
8312	Detroit	"	"	Scotch	27	"			12	12 12					
8313	"	"	"	Eng.	28	"			12	12 12					
8314	"	"	"	Irish	48	m			12	12 12					
8315	Bay City	"	"	Ger.	26	"	1		10	10 10		2			
8316	"	"	"	Irish	24	"	1		10	10 12					
8317	Detroit	"	"	Eng.	33	"	2		10	10 11		1			Sickness
8318	"	"	"	Irish	42	"	4		8	12					
8319	"	"	"	Am.	29	"	1		10	10 12					
8320	"	"	"	"	28	"	2		11	11 11		1			Vacation
8321	"	"	"	Can.	36	"			11	11 12					
8322	"	"	"	Am.	40	"			10	10 12					
8323	"	"	"	"	47	"	3		10	10 12					
8324	Jackson	"	"	"	44	"	2		12	12 12					
8325	"	"	"	"	38	"			12	12 12					
8326	"	"	"	"	48	"	4		2	12 12 12					
8327	"	"	"	"	33	"	1		12	12 12					
8328	"	"	"	"	43	"			12	12 12					
8329	"	"	"	"	36	"	4		12	12 12					

* Helper.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 30	hr. 14c	mo.	\$407		\$407		neither	neither	no	same	better
10	"	1 40	" 14c	"	384		384	10	"	"	"	worse	worse
10	"	1 40	" 14c	"	400	\$5	405	10	"	"	"	"	"
10	"	1 30	" 13c	"	208		208	10	"	"	"	same	"
10	"	1 40	" 14c	"	428	5	433	10	"	"	\$100	"	"
10	"	1 30	" 13c	"	365		365	10	"	"	100	"	"
10	"	1 30	" 13c	"	338	1	339	10	"	"	100	worse	"
10	"	1 40	" 14c	"	434	5	349	10	"	"	no	same	same
10	"	1 30	" 13c	"				10	"	"	"	better	"
10	"	1 30	" 13c	"		12	12	10	"	"	"	same	same
9 1/2	mo.	34 00	yes*	"	408		408	10	"	"	"	worse	worse
9 1/2	day	1 35	"	"	351		351	10	"	"	"	same	same
10	mo.	34 00	"	"	306		306		"	"	"	same	same
10	"	32 00	yes*	"	384		384	10	"	"	"	worse	worse
10	"	35 00	"	"	420		420	10	"	"	"	same	same
10	"	34 00	"	"	408		408	10	"	"	"	"	"
10	day	1 45	"	"	454		454	10	"	"	"	worse	worse
10	"	1 45	"	"	454		454	10	"	"	"	same	same
10	mo.	75 00	"	"	900		900		"	"	no	"	"
10	day	2 00	hr. 20c	"	628		628	10	"	"	"	"	"
10	mo.	50 00	yes*	"	600		600	10	"	"	"	same	same
10	"	50 00	"	"	600		600	10	"	"	"	same	same
10	day	2 00	hr. 20c	"	618		618	10	"	dec. 25c day	yes*	better	worse
10	"	45 00	yes*	"	540		540	10	"	neither	no	same	"
10	"	50 00	"	"	600		600	10	"	neither	yes*	same	same
10	day	2 15	"	"	615		615	10	inc. 15c day	inc. 15c day	no	worse	worse
10	"	3 75	"	"	822	20	842	10	"	neither	no	same	same
10	"	2 15	"	"	673		673	10	"	neither	120	worse	worse
10	"	1 25	hr 12 1/2 c	"	375		375	10	"	"	no	same	same
9	mo.	34 00	"	"	384		384		"	"	"	"	"
12	"	75 00	"	"	900		900		"	"	"	same	same
10	"	40 00	"	"	480		480		"	"	no	same	same
10	day	2 50	hr. 25c	"	783	25	808	10	"	inc. 5%	no	better	better
11	mo.	70 00	"	"	840		840		"	" \$5 mo.	50	same	same
10	"	55 00	"	"	1,020		1,020		"	" 10 "	200	"	"
12	"	90 00	"	"	1,080		1,080		"	" 5 "	100	"	better
12	"	90 00	"	"	1,080		1,080		"	neither	no	"	same
10	"	85 00	yes*	"	780		780	10	"	inc. \$10 mo.	200	"	better
10	"	85 00	"	"	1,020	50	1,070	10	"	10	250	"	"
12	"	80 00	"	"	755	60	815	10	"	increase	yes*	better	"
11	"	80 00	"	"	720		720		dec. \$5 mo.	neither	100	worse	worse
11	"	85 00	"	"	780		780		"	neither	80	"	"
12	"	45 00	"	"	540		540		"	"	no	same	same
12	"	45 00	"	"	518		518		"	"	no	better	worse
12	"	45 00	"	"	540		540		"	"	no	worse	"
12	"	45 00	"	"	540		540		"	"	"	same	same
12	"	50 00	"	"	600		600		"	"	no	"	"
12	"	40 00	"	"	480		480		"	"	no	worse	worse
12	"	50 00	"	"	600		600		"	"	no	"	"
10	"	45 00	"	"	540		540		"	"	50	same	same
10	"	60 00	"	"	800		800	10	"	"	no	worse	worse
10	"	60 00	"	"	720		720	10	"	"	yes*	same	same
10	day	2 60	hr. 26c	"	744	259	1,003	10	"	inc. \$10 mo.	no	"	better
11	"	2 00	"	"	626		626	8	"	"	"	"	same
11	"	2 20	"	"	689	60	749	10	"	inc. \$5 mo.	200	better	worse
11	"	2 50	yes*	"	715		715	11	"	increase	no	same	better
11	"	2 20	"	"	783		783	11	"	inc. \$5 mo.	no	better	"
10	"	2 80	"	"	783		783	11	"	" 10 "	yes*	worse	worse
12	"	2 50	yes*	"	783	60	843	16	"	" 10 "	200	better	better
12	mo.	90 00	hr. 30c	"	1,080		1,080	12	"	neither	"	same	same
12	"	50 00	"	"	600		600		"	"	"	"	worse
12	"	45 00	"	"	540		540		"	"	"	"	same
12	"	50 00	"	"	600		600		"	"	"	"	better
12	"	90 00	hr. 30c	"	1,080		1,080	12	"	"	"	"	same
12	"	90 00	" 30c	"	1,080		1,080	12	"	"	no	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.	Months.	Days.	
8386	Detroit	Switchman	M. C. R. R.	Am.	36	m	2	3	10	10	12				
8387	"	"	"	"	33	m	2		10	10	12				
8388	"	"	"	Can.	23	s			12	12	12				
8389	"	"	"	Am.	37	m	2		10	10	12				
8390	"	"	"	"	24	s			10	10	12				
8391	"	"	"	Ger.	30	m		2	10	10	12				
8392	"	"	"	Can.	33	"			10	10	12				
8393	"	"	"	Eng.	34	"		1	10	10	12				
8394	"	"	"	Am.	30	"			10	10	12				
8395	Kalamazoo	"	"	"	30	"			12	12	12				
8396	Lansing	"	"	"	25	"			10	10	12				
8397	"	"	"	"	33	"			10	10	12				
8398	Detroit	"	"	"	30	"			12	12	12				
8399	"	"	"	Ger.	39	"		1	10	10	12				
8400	West Bay City.	"	"	Irish	23	"			10	10	12				
8401	Detroit	"	"	Am.	24	"		1	10	10	12				
8402	"	"	"	Irish	38	"			12	12	10	2			Sickness
8403	"	"	"	Can.	42	"		3	8	8	12				
8404	"	"	"	"	30	"			10	10	12				
8405	"	"	"	Am.	42	"			8	8	12				
8406	"	"	"	Can.	42	"			8	8	12				
8407	"	"	"	"	23	"		1	10	10	12				
8408	"	"	"	Am.	32	w		1	12	10	12				
8409	"	"	"	"	33	m		2	10	12	12				
8410	"	"	"	"	34	s			12	11	6	6			Sickness
8411	"	"	"	"	24	m		1	12	12	11	1			
8412	"	"	"	Can.	37	"			10	10	9	3			
8413	"	"	"	Am.	44	"		7	12	12	12				
8414	Kalamazoo	Targetman	"	Ger.	35	"			12	12	12				
8415	Ann Arbor	Signal insp.	"	Am.	37	"		1	10	10	12				
8416	West Bay City.	Flagman	"	"	70	"			11	11	12				
8417	Detroit	"	"	Ger.	22	"		3	12	12	12				
8418	Saginaw	Bridge tend.	"	Am.	21	s			12	12	12				
8419	West Bay City	Flagman	"	"	65	"			12	12	12				
8420	Bay City	"	"	Ger.	50	m	2		12	12	12				
8421	Jackson	Crocs. tend.	"	Am.	29	s	2		12	12	12				
8422	Marshall	Flagman	"	"	60	m	2	1	15	15	8	4			
8423	Detroit	"	"	Ger.	38	"	3	3	12	12	12				
8424	"	"	"	Irish	52	s			12	12	12				
8425	Jackson	Crocs. tend.	"	Ger.	40	m	4	1	12	12	12				
8426	Saginaw	Flagman	"	Am.	63	s			13	12	10	2			Sickness
8427	Jackson	Crocs. tend.	"	Irish	43	m	3	2	12	12	12				
8428	"	"	"	"	50	"			12	12	12				
8429	Saginaw	Flagman	"	"	53	"		1	15	15	12				
8430	"	"	"	Am.	32	"		3	12	12	12				
8431	Jackson	Crocs. tend.	"	Ger.	52	"			16	16	12				
8432	Saginaw	Flagman	"	Am.	62	"			12	12	12				
8433	"	"	"	"	64	"		1	12	12	12				
8434	"	"	"	Eng.	62	"	4		14	14	12				
8435	"	"	"	Am.	64	"			16	16	12				
8436	"	"	"	"	35	"			6	6	10	2			
8437	Jackson	Crocs. tend.	"	"	23	s			16	16	12				
8438	"	"	"	"	34	m	2		15	15	12				
8439	Saginaw	Flagman	"	"	45	"	2	5	14	14	11	1			Injury
8440	"	"	"	"	74	s			14	14	12				
8441	Kalamazoo	"	"	Ger.	54	m	5		14	14	12				
8442	Bay City	Car inspect.	"	Swede.	33	w	1	1	11	11	12				
8443	Detroit	Car repairer	"	Ger.	31	m		2	10	10	12				
8500	"	Car inspect.	"	Irish	43	"			12	12	12				
8501	"	"	"	Eng.	52	"		9	10	10	12				
8502	"	"	"	Irish	47	"		3	11	11	12				
8503	"	"	"	Am.	34	"		2	12	12	12				
8504	"	"	"	"	39	"		2	4	10	10	12			
8505	West Bay City.	"	"	Swede.	36	"		2	10	10	12				
8506	"	"	"	"	27	"		2	10	10	12				
8507	Saginaw	"	"	Ger.	44	"		2	4	10	10	12			

Railway employees.

Average hours on duty.	Regular time.	Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per		Regular time.	Overtime.	Total.						
10	mo. \$60 00....	yes*	mo.	\$720	\$60	\$780	10	neither	neither		same	same
10	" 60 00....	"	"	720	120	840	10	"	inc. \$5 mo.	\$200	same	better
12	" 40 00....	"	"	420		420		dec. \$5 mo.	dec. 33 "	no	worse	worse
10	" 70 00....	yes*	"	840	150	990	10	neither	inc. \$15 "	800	"	better
10	" 70 00....	"	"	840	150	990	10	"	inc. 15 "		"	"
10	" 65 00....	"	"	780		780	10	"	" 5 "	300	same	
10	" 70 00....	"	"	840		840	10	"	" 5 "		better	better
10	" 70 00....	"	"	840		840	10	"	" 5 "	300	same	same
10	" 70 00....	"	"	840	90	930	10	"	" 5 "	500	better	better
12	day 3 00....	hr 25c	"	939		939	10	"	inc. \$20 mo.	400		
10	mo. 60 00....	" 23c	"	720		720	10	"	neither	100		
10	" 65 00....	" 25c	"	780		780	10	"	"	no		
12	" 45 00....	"	"	540		540	10	"	"	300	same	worse
10	" 60 00....	yes*	"	720		720	10	"	inc. \$5 mo.	200	same	same
10	" 65 00....	"	"	780		780	10	"	neither	yes* worse	worse	worse
12	day 2 50....	"	"	782	75	857	10	"	inc. \$10 mo.	no	"	better
12	mo. 90 00....	"	"	900		900	12	"	" 15 "	"	"	worse
8	" 45 00....	yes*	"	540		540	8	inc. \$5 mo.	"	"	same	same
10	" 72 00....	"	"	864	12	876	10	neither	inc. \$10 mo.	100	worse	
8	" 40 00....	"	"	480		480	8	"	neither	no	same	same
8	" 40 00....	"	"	480		480	8	"	"	no	worse	worse
10	" 65 00....	"	"	780	120	900	10	"	inc. \$10 mo.	100	"	better
11	" 65 00....	"	"	780	80	860	10	"	neither	no	"	worse
11	" 75 00....	"	"	900		900	11	"	inc. \$5 mo.	400	"	better
11½	" 75 00....	"	"	450		450	10	"	" 5 "		"	"
12	" 75 00....	"	"	825		825	10	"	neither	250	worse	"
10	" 60 00....	"	"	540	90	630	10	"	inc. \$5 mo.	30	better	"
12	" 90 00....	"	"	1,080		1,080		"	neither	800	same	same
12	" 37 50....	"	"	450		450		"	"	no	worse	worse
10	" 50 00....	"	"	600		600		"	"	"	same	"
11	" 30 00....	"	"	360		360		"	"	"	same	same
12	" 30 00....	"	"	360		360		"	"	"	worse	worse
12	" 30 00....	"	"	360		360		"	"	yes*	better	better
12	" 30 00....	"	"	360		360		"	"	"	worse	worse
12	" 30 00....	"	"	360		360		"	"	no	same	same
15	" 40 00....	"	"	320		320		"	"	"	worse	better
12	" 30 00....	"	"	360		360		"	"	"	same	same
12	" 30 00....	"	"	360		360		"	"	"	same	same
12	" 45 00....	"	"	540		540		"	"	"	worse	worse
12	" 30 00....	"	"	360		360		"	inc. \$5 mo.	no	"	"
12	" 38 75....	"	"	460		460		"	neither	125	"	"
12	" 45 00....	"	"	540		540		"	"	yes*	worse	worse
15	" 35 00....	"	"	420		420		"	"	no	same	same
12	" 35 00....	"	"	420		420		"	"	no	same	same
16	" 45 00....	"	"	540		540		"	"	60	same	same
12	" 30 00....	"	"	360		360		"	"	150	"	"
12	" 30 00....	"	"	360		360		"	"	150	"	"
14	" 35 00....	"	"	420		420		"	"	100	better	"
16	" 35 00....	"	"	420		420		"	"	100	same	"
6	" 15 00....	"	"	150		150		"	"			worse
16	" 38 75....	"	"	465		465		"	"	no	worse	"
15	" 38 75....	"	"	465		465		"	"	100	same	"
14	" 35 00....	"	"	385		385		"	"	no	worse	"
14	" 35 00....	"	"	420		420		"	"	yes*	"	"
14	" 30 00....	"	"	360		360		"	"	no	"	"
11	day 1 60....	yes*	"	501		501	10	"	"	100	"	"
10	mo. 41 00....	"	"	492		492	10	"	inc. 10% decrease	no	same	same
12	" 50 00....	"	"	600		600		"	dec. \$3 mo.	"	"	"
10	" 45 00....	yes*	"	540		540	10	"	neither	"	"	"
11	day 1 65....	"	"	516		516		"	"	"	"	"
12	" 50 00....	"	"	600		600		"	"	"	"	"
10	" 50 00....	"	"	600		600		"	"	150	better	better
30	day 1 50....	"	"	470		470		"	"	no	worse	worse
30	" 1 50....	"	"	470		470		"	"	"	"	"
30	mo. 45 00....	"	"	540		540		"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
8508	Jackson	Car inspect.	M. C. B. R.	Am.	50	m	2	10	10	12				
8509	Kalamazoo	Wiper	"	"	22	s		10	10	12				
8510	"	"	"	"	25	m		11	11	12				
8511	Bay City	"	"	Irish	17	s		10	10	12				
8512	"	"	"	Pole	33	m	2	11	11	12				
8513	"	"	"	Am.	17	s		11	11	12				
8514	"	"	"	French	47	m	2	7	11	12				
8515	Jackson	"	"	Ger.	50	"	2	10	10	9	3			Sickness
8516	Detroit	"	"	Am.	24	s		11	11	12				
8517	Jackson	"	"	Irish	68	m	4			12				
8518	"	"	"	Ger.	28	"		10	10	12				
8519	"	"	"	"	32	"	2	4	10	10	12			
8520	"	"	"	Irish	70	s		10	10	8	4			Sickness
8521	"	"	"	"	54	m	2	3	10	10	12			
8522	Detroit	Hostler	"	Eng.	40	"	2	5	12	12	11	1		Sickness
8523	Grand Rapids	"	"	Ger.	29	"	2	2	11	11	12			
8524	Jackson	"	"	Am.	22	"	2	10	10	11 $\frac{1}{2}$	$\frac{1}{2}$			
8525	Detroit	Oiler	"	Italian	56	"	2	10	10	12				
8526	"	"	"	Irish	38	"	2	11	12	12				
8527	"	"	"	Can.	33	"	2	5	12	12	12			
8528	"	"	"	"	47	"	2	8	12	12	12			
8529	"	"	"	Eng.	42	"	2	12	12	6	6			Lack of work
8530	"	"	"	Am.	33	"	2	4	12	13	13			
8531	Jackson	"	"	"	68	"	2	1	10	10	12			
8532	Detroit	"	"	"	20	s		12	12	12				
8533	Jackson	Car scaler	"	"	38	m	2	3	10	10	12			
8534	Detroit	"	"	Ger.	40	"	2	3	10	10	13			
8535	Saginaw	Watchman	"	Am.	37	"	2	10	10	13				
8536	Detroit	"	"	"	34	"	2	2	11	11	12			
8537	"	"	"	Eng.	49	"	2	12	12	12				
8538	"	"	"	Irish	51	w	1	5	10	10	12			
8539	"	"	"	Am.	59	m	2	12	12	12				
8540	"	"	"	Dane	48	"	2	3	12	13	13			
8541	"	"	"	Am.	35	s		12	12	12				
8542	"	"	"	Ger.	54	m	2	5	12	12	12			
8543	"	"	"	"	56	"	2	6	12	12	12			
8544	"	"	"	Irish	41	"	2	2	12	12	12			
8545	Bay City	"	"	Am.	55	"	2	4	11	11	12			
8546	Ypsilanti	"	"	"	41	"	2	4	12	12	3	9		Other business
8547	"	"	"	"	49	"	2	1	10	10	8	4		Lack of work
8548	Chelsea	"	"	"	35	s		10	10	12				
8549	Grand Rapids	"	"	"	31	w	1	2	12	12	12			
8550	Saginaw	"	"	Eng.	60	m	3	13	18	4	20			Laid off
8551	Detroit	Boiler wash.	"	Ger.	34	"	2	3	10	10	12			
8552	Jackson	"	"	"	56	"	2	3	10	10	12			
8553	"	"	"	"	53	"	2	6	10	10	12			
8554	Bay City	Scaler	"	Can.	35	"	3	1	12	12				
8555	"	R. H. man	"	Am.	35	"	2	1	10	10	12			
8556	Ypsilanti	Pumpman	"	Ger.	61	"	2	1	12	13	11	1		Sickness
8557	Detroit	Table turner	"	Can.	18	s		11	11	12				
8558	Niles	Pumpman	"	Ger.	50	m	6	10	10	12				
8559	Detroit	Track *	"	Am.	45	"	2	6	10	10	12			
8560	"	Tracksmith	"	Ger.	53	"	2	3	10	10	10	2		Sickness
8561	Saginaw	Track *	"	Irish	44	"	2	1	10	10	12			
8562	Detroit	"	"	Ger.	52	"	2	4	10	10	12			
8563	Saginaw	"	"	Am.	25	"	2	1	10	10	12			
8564	Battle Creek	"	"	"	38	"	2	5	10	10	12			
8565	Lawton	Track †	"	"	38	"	2	5	10	10	12			
8566	Detroit	Roadman	"	"	19	s		12	12	12				
8567	Chelsea	Trackman	"	"	36	m	2	3	10	10	12			
8568	Detroit	"	"	"	28	s		10	10	12				
8569	Eaton Rapids	"	"	"	25	m		10	10	10	2			Lack of work
8570	Dowagiac	"	"	"	38	"	2	3	10	10	11	1		Sickness
8571	Nashville	"	"	"	23	s		10	10	10 $\frac{1}{2}$	1	18		Lack of work
8572	Kalamazoo	"	"	"	24	"		10	10	10	2			
8573	Saginaw	"	"	Italian	16	"		10	10	9	3			

* Foreman.

† Repairer.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
10	day	\$1 45		mo.	\$435		\$435		neither	neither	no		
10	"	1 50		"	470		470		"	"	\$50	worse	worse
11	"	1 50		"	470		470		"	"	25	"	"
10	"	1 25		"	391		391		"	increase	no	"	"
11	"	1 21	yes*	"	\$79		\$79	11	"	"	"	"	"
11	"	1 21		"	\$79		\$79		"	neither	"	"	"
11	"	1 25		"	\$91		\$91		"	"	"	"	"
10	"	1 10	yes*	"	257		257	10	"	"	"	same	same
11	mo.	33 00		"	396		396		"	"	"	worse	worse
10	day	1 10	hr. 11c	"	344	\$20	364	10	"	neither	75	same	worse
10	"	1 10	" 11c	"	344		344	10	"	"	"	same	"
10	"	1 25	" 12½c	"	391		391	10	"	"	no	worse	"
10	"	1 10	" 11c	"	229		229	10	"	"	"	same	same
10	"	1 10	" 11c	"	344		344	10	"	"	"	"	worse
12	mo.	50 00	yes*	"	550		550	12	"	"	"	worse	same
11	"	45 00		"	540		540		"	inc. \$10 mo.	100	same	worse
10	day	1 18	hr. 12c	"	348		348	10	inc. 10c day	inc. 10c day	no	"	same
10	mo.	26 40		"	432		432		neither	neither	200	"	worse
12	"	42 00		"	504		504		"	"	"	"	same
12	"	54 00		"	648		648		"	"	"	worse	"
12	"	54 00		"	648		648		"	"	no	same	"
12	"	42 00		"	252		252		inc. \$13 mo.	"	"	"	worse
10	"	54 00		"	648		648		neither	"	"	worse	"
10	"	50 00		"	600		600		"	"	no	same	same
12	"	42 00		"	504		504		"	"	no	same	same
10	day	1 50	hr. 15c	"	470		470	10	"	"	200	"	worse
10	mo.	33 00	yes*	"	394	70	464	10	"	"	no	worse	worse
10	day	1 10		"	344		344		"	"	"	better	better
11	mo.	45 00		"	540		540		"	inc. \$5 mo.	"	worse	worse
12	"	40 00		"	480		480		"	neither	"	same	"
10	"	40 00		"	480		480		"	"	100	"	same
12	"	40 00		"	480		480		"	"	200	"	"
12	"	30 00		"	360		360		"	"	no	"	"
12	"	30 00		"	360		360		"	"	"	better	worse
12	"	30 00		"	360		360		"	neither	no	worse	"
12	"	30 00		"	360		360		"	"	"	same	same
12	"	45 00		"	540		540		"	"	"	worse	worse
11	day	1 21		"	379		379		"	"	"	"	"
12	mo.	40 00		"	120		120		"	"	yes*	"	"
10	"	40 00		"	320		320		"	neither	no	worse	"
10	day	1 25		"	391		391		"	"	"	"	same
12	mo.	40 00		"	480		480		"	"	no	worse	worse
10	"	35 00		"	140		140		dec. 12½c day	dec 12½c da	"	"	"
10	"	40 00	yes*	"	480		480	10	neither	neither	50	same	better
10	day	1 25		"	391		391	10	"	"	yes*	"	same
10	"	1 40	hr. 14c	"	438		438	10	"	"	no	"	"
12	mo.	100 00		"	1,200		1,200		"	"	yes*	worse	worse
10	day	1 10	yes*	"	344		344	10	"	increase	no	"	"
12	"	40 00		"	440		440		"	neither	120	same	"
11	"	40 00		"	480		480		inc. \$20 mo.	"	no	better	"
10	"	40 00		"	480		480		"	"	"	worse	worse
10	"	75 00		"	900		900		"	"	no	"	"
10	"	48 00		"	480		480		"	"	"	"	"
10	"	50 00		"	600		600		inc. \$5 mo.	inc. \$5 mo.	"	same	"
10	"	45 00	yes*	"	540		540	10	" \$2.50 "	"	"	same	"
10	"	45 00		"	540		540		neither	neither	200	"	"
10	"	45 00		"	540		540		"	"	no	better	"
12	"	45 00		mo.	540		540		neither	inc. \$3 mo.	80	same	"
10	"	35 00		"	420		420		"	neither	no	"	"
10	"	28 00	yes*	"	336		336		"	"	"	"	same
10	day	1 25		"	325		325		"	"	"	worse	worse
10	"	1 25		"	357		357		"	"	"	"	"
10	"	1 25		"	341		341		"	"	"	"	"
10	"	1 25		"	325		325		"	"	"	same	same
10	"	1 25		"	292		292	10	"	"	75	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
8574	Saginaw	Trackman	M. C. R. R.	Ger.	17	s			10	10	9	3		Lack of work
8575	"	"	"	Am.	16	s			10	10	9	3		"
8576	Detroit	"	"	Ger.	22	m	2	4	10	10	12	3		"
8577	"	"	"	"	29	s	2		10	10	12	3		"
8578	"	"	"	"	28	s	2	1	10	10	12	3		"
8579	Saginaw	"	"	Italian	30	s			10	10	9	3		Lack of work
8580	"	"	"	"	25	s			10	10	12	3		"
8581	"	"	"	"	25	s			10	10	9	3		"
8582	Chicago	"	"	"	28	s			10	10	9	3		Lack of work
8583	"	"	"	"	30	s			10	10	9	3		"
8584	"	"	"	"	28	s			10	10	9	3		"
8585	"	"	"	"	35	s			10	10	9	3		"
8586	Rives Junction	"	"	Am.	32	m	2	5	10	10	12	3		"
8587	Saginaw	"	"	Ger.	33	s	2	3	10	10	12	3		"
8588	"	"	"	Am.	53	s	2	3	10	10	12	3		"
8589	"	"	"	"	24	s			10	10	12	3		"
8590	"	"	"	Irish	23	m	3	1	10	10	10	2		Sickness
8591	"	"	"	"	48	s	1	1	10	10	10	2		"
8592	"	"	"	"	57	s	2	5	10	10	12	2		"
8593	"	"	"	"	50	s	2	1	10	10	12	2		"
8594	Detroit	"	"	Am.	21	s			10	10	12	2		"
8595	"	"	"	Can.	60	m	2	1	10	10	12	2		"
8596	"	"	"	Am.	19	s			10	10	12	2		"
8597	"	"	"	Ger.	38	m	2	4	10	10	12	2		"
8598	"	"	"	"	28	s	2		10	10	12	2		"
8599	"	"	"	"	29	s	2	2	10	10	12	2		"
8600	"	"	"	"	69	s			10	10	12	2		"
8601	"	"	"	"	41	s		6	10	10	12	2		"
8602	Lawton	"	"	Am.	38	s		5	10	10	12	2		"
8603	"	"	"	"	25	s			10	10	12	2		"
8604	"	"	"	"	30	s			10	10	12	2		"
8605	"	"	"	"	18	s			10	10	8	4		Lack of work
8606	"	"	"	"	18	s			10	10	10	2		"
8607	"	"	"	"	34	m	2	1	10	10	12	2		"
8608	Leonidas	"	"	Ger.	43	s			10	10	12	10		Vacation
8609	Saginaw	"	"	Pole	25	s			10	10	12	10		"
8624	Lansing	Sec. foreman	"	Italian	30	m			10	10	12	10		"
8625	Bay City	"	"	Am.	36	s	2	1	10	10	12	10		"
8626	"	"	"	Swede	28	s			10	10	12	10		"
8627	Lansing	"	"	Am.	29	m	2	1	10	10	12	10		"
8628	"	"	"	Irish	43	s	2	4	10	10	12	10		"
8629	Ann Arbor	"	"	Am.	35	s	2	1	10	10	12	10		"
8630	Detroit	"	"	"	38	s	4	2	10	10	12	10		"
8631	Leonidas	"	"	"	42	s	1	1	10	10	11½	15		Vacation
8632	Rives Junction	"	"	"	31	s	2	2	10	10	12	15		"
8633	Jackson	"	"	"	33	s			10	10	12	15		"
8634	Rives Junction	"	"	Eng.	30	s			10	10	12	15		"
8635	Metamora	"	"	Irish	42	s	5	9	10	10	11½	15		Sickness
8636	Three Oaks	"	"	Am.	35	s	3	7	10	10	12	15		"
8637	Lawton	"	"	"	38	s	2	2	10	10	12	15		"
8638	Marengo	"	"	"	43	s	3	3	10	10	12	15		"
8639	Marshall	"	"	"	52	s	3	3	10	10	12	15		"
8640	Bay City	"	"	Pole	38	s	4	4	10	10	12	15		"
8641	Marshall	"	"	Am.	40	s	2	2	10	10	12	15		"
8642	New Buffalo	"	"	"	26	s			10	10	12	15		"
8643	Marshall	"	"	Irish	49	s	4	4	10	10	12	15		"
8644	Niles	"	"	"	50	s	4	4	10	10	12	15		"
8645	"	"	"	"	43	s	3	3	10	10	12	15		"
8666	Bay City	Sectionman	"	Eng.	24	s			15	15	11½	17		Accident
8667	"	"	"	Pole	36	m	2		10	10	12	17		"
8668	"	"	"	"	22	s			10	10	12	17		"
8669	"	"	"	"	30	m			10	10	12	17		"
8670	"	"	"	"	24	s			10	10	12	17		"
8671	"	"	"	"	22	s			10	10	12	17		"
8672	"	"	"	"	27	s			10	10	12	17		"
8673	Jackson	"	"	Am.	34	s			10	10	12	17		"

Railway Employés.

Average hours on duty.	Regular time.		Over-	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per	Am't per	time.		Regular time.	Overtime.	Total.						
10	day	\$1 25	h. 12½c	mo.	\$392		\$292		neither	neither	no	worse	worse
10		1 25	h. 12½c		292		292						
10	mo.	30 00	yes*		360		360	10				same	same
10		30 00			360		360	10					
10		30 00			360		360	10					
10	day	1 25			292		292	10			\$100		
10		1 25			292		292	10			100		
10		1 25			292		292	10			75		
10		1 25			292		292	10			100		
10		1 25	h. 12½c		292		292	10			100		
10		1 25	h. 12½c		292		292	10			100		
10		1 25	" 12½c		292		292	10			100		
10		1 10			344		344				no		same
10		1 10			344		344						
10		1 10	yes*		344		344			neither			
10		1 10			344		344						
10		1 10			296		296					worse	worse
10		1 10			296		296					same	same
10		1 10			344		344	10		neither	100		
10		1 10			344		344				no		
10		1 15			361		361					better	better
10		1 20	yes*		375		375	10		neither		same	same
10		1 20			375		375	10			75		
10		1 20	yes*		375		375	10			no	worse	worse
10		1 20			375		375	10					
10		1 20			375		375	10				same	same
10		1 20			375		375	10					
10	mo.	30 00			360		360						
10	day	1 10			344		344	10					
10		1 10			344		344	10					
10		1 10			344		344	10					
10		1 10			226		226	10					
10		1 10			296		296	10					
10		1 10			344		344	10				same	same
10		1 10			333		333					worse	worse
10		1 10			344		344			dec. 15c day			
10	mo.	60 00			750		750			neither	100	same	same
10		45 00			540		540				250		
10		50 00			600		600	10			yes*		
10		45 00			540		540					worse	worse
10		45 00			540		540			inc. \$3 mo.	50		
10		45 00			540		540				no	same	same
10	day	1 50			470		470			inc. \$5 mo.			better
10	mo.	40 00			540		540			neither	200		same
10		45 00			540		540			inc. \$3 mo.	200		
10		60 00	hr. 20c		720		720	10		neither	200	same	same
10		45 00			540		540		neither				
10		45 00			517		517				yes*		
10		45 00			540		540					worse	worse
10		45 00			540		540						
10		45 00			540		540			" 3 "	50		
10		45 00			540		540			" 3 "	100		
10		40 00			480		480	10		neither	no		
10		50 00			600		600						
10		45 00			540		540			inc. \$3 mo.			
10		45 00			540		540			" 3 "			
10		45 00			540		540			" 3 "		same	
10		45 00			540		540			" 3 "		worse	worse
10		60 00			720		720			neither	200	same	
15	day	1 25	h. 12½c		370		370	10			no		same
10		1 10			344		344						
10		1 10			344		344						
10		1 10			344		344						
10		1 10			344		344			neither			
10		1 10			344		344						
10		1 10			344		344						
10		1 10			344		344						
10		1 10	hr. 11c		344	\$20	364	10			no	same	same

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.		Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.	Months.	Days.			
8674	Jackson	Sectionman	M. C. R. R.	Ger.	37	s			10	10	12				
8675	"	"	"	Am.	34	m		1	10	10	12				
8676	Bay City	"	"	Pole	25	"			10	10	12				
8677	Owosso	"	"	Ger.	50	"					12				
8678	Lansing	"	"	"	30	s			10	10	11 ¹ / ₂	2	13	Sickness	
8679	Jackson	"	"	Am.	42	m		3	10	10	10				Lack of work
8680	"	"	"	"	34	s			10	10	12				
8681	Bay City	"	"	Ger.	30	m		1	10	10	12				
8682	"	"	"	French	55	"		4	10	10	12				
8683	"	"	"	Swede.	35	"		2	10	10	12				
8684	"	"	"	"	22	s			10	10	12				
8685	"	"	"	"	40	m			10	10	12				
8686	"	"	"	Pole	30	"		2	10	10	12				
8687	"	"	"	Irish	36	"			10	10	12				
8688	"	"	"	Pole	50	"		2	10	10	12				
8689	"	"	"	Irish	35	"			10	10	12				
8690	"	"	"	"	40	s			10	10	12				
8691	Rives Junct'n.	"	"	Am.	27	m		2	10	10	12				Sickness
8692	Jackson	"	"	Scotch	53	"			10	10	12				
8693	"	"	"	Am.	40	"			12	10	12				
8694	"	"	"	Ger.	44	"		2	10	10	10		2		
8695	"	"	"	Irish	58	"		2	10	10	12				
8696	"	"	"	"	48	"			10	10	11		1	Sickness	
8697	"	"	"	Ger.	33	"		5	10	10	12				
8698	"	"	"	Irish	58	"			10	10	12				
8699	"	"	"	Ger.	42	"		1	10	10	12				
8700	"	"	"	Irish	26	s			10	10	12				
8701	"	"	"	"	24	"			10	10	12				
8702	"	"	"	Pole	37	m		4	10	10	12				
8703	"	"	"	Irish	28	"		1	10	10	12				
8704	"	"	"	Am.	40	"		3	10	10	12				
8705	"	"	"	Irish	47	s			10	10	12				
8706	Rives Junct'n.	"	"	"	25	"			10	10	12				
8707	"	"	"	Am.	42	m		3	10	10	12				Sickness
8708	Matamora	"	"	Irish	40	"		3	9	10	12				
8709	"	"	"	"	24	s			9	10	11				Other business
8710	Ann Arbor	"	"	Ger.	45	m		2	7	10	10	1	11		"
8711	Bay City	"	"	Am.	28	s			10	10	12				
8712	"	"	"	Irish	29	m		2		10	6		6		Lack of work
8713	Saginaw	"	"	Am.	46	"		5	10	10	12				
8714	"	"	"	Irish	24	"		2	10	10	12				
8715	"	"	"	Am.	27	s			10	10	12				
8716	"	"	"	Ger.	27	m		1	10	10	12				
8717	Jackson	"	"	"	50	"			10	10	12				
8718	Saginaw	"	"	"	34	"		1	10	10	12				
8719	Three Oaks	"	"	Am.	20	s			10	10	10		2		Lack of work
8720	"	"	"	Irish	28	m		2	1	10	12				
8721	New Buffalo	"	"	Ger.	23	s			10	10	10		2		Lack of work
8722	Detroit	Car cleaner	"	"	40	m		4	10	10	12				
8723	"	"	"	"	35	"		4	10	10	12				
8724	"	"	"	Swiss	30	s			10	10	12				
8725	"	"	"	Am.	19	"			10	10	12				
8726	"	"	"	Ger.	32	m		2	1	10	12				
8727	"	"	"	Am.	31	s			10	10	12				
8728	"	"	"	Ger.	30	m		2	2	10	12				
8729	"	"	"	"	31	"		5	10	10	12				
8730	"	"	"	Am.	22	"			10	10	12				
8731	"	"	"	Ger.	44	"		4	10	10	12				
8732	"	"	"	"	36	"		3	10	10	12				
8733	"	"	"	Am.	21	s			10	10	12				
8734	"	"	"	Ger.	40	"			10	10	12				
8735	"	"	"	Boh.	45	m		2	5	10	12				
8736	"	"	"	Ger.	39	"		5	10	10	12				
8737	Bay City	"	"	"	47	"		5	11	11	12				
8738	"	"	"	"	50	"		6	10	10	12				
8739	"	"	"	Can.	43	s			10	10	12				

† 4½ days.

Railway Employés.

[illegible]

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Months worked.	Lost time.		Causes for lost time.
							Adults.	Children.	Winter.	Summer.		Months.	Days.	
8796	Bay City	Car cleaner	M. C. R. R.	Ger.	40	m	2	2	11	11	12			
8797					36		2	2	11	11	12			
8799	Detroit	"	"	"	49		2	2	9	10	10			
8799	Grand Rapids	Coal handler	"	Irish	35		2	5	10	10	12			
8800	Kalamazoo	"	"	Am.	40		2	2	10	10	10			
8801	Ann Arbor	Warehous'm	"	"	37	s			10	10	10	2		Accident
8802	Saginaw	"	"	Ger.	24	s	2	1	10	10	12			
8803		"	"	Dane	22	s			10	10	12			
8804	Ann Arbor	"	"	Irish	30	s			10	10	12			
8805		"	"	Am.	20	s			10	10	8	4		Other business
8806	Bay City	"	"	"	23				10	10	12			
8807	Detroit	Frt. foreman	"	"	32	m	2	3	10	10	12			
8808	Jackson	"	"	"	50		2	3	10	10	12			
8809	Detroit	"	"	"	36	s			12	12	12			
8810		"	"	"	37	m	2	2	12	12	12			
8811	Bay City	Ass't	"	"	54		2	2	10	10	12			
8812	Saginaw	Warehouse *	"	Can.	34		2	2	10	10	12			
8813	Bay City	Frt. foreman	"	Am.	25	s			10	10	12			
8814		"	"	"	39	m	2	2	10	10	12			
8815	Detroit	"	"	"	34		2	2	10	10	12			
8816		"	"	"	32		2	1	12	12	12			
8817		"	"	"	30	s			12	12	12			
8818		"	"	Irish	21				10	10	12			
8819	Saginaw	Warehous'm	"	Am.	19		2	12	12	4		22		Sickness
8820	Centerville	Frt. handler	"	"	30	m	2	10	10	12		10		Lack of work
8821	Bay City	"	"	"	38	s			10	10	12			
8822	Detroit	"	"	Irish	18				10	10	12			
8823		"	"	Ger.	45	m	2	3	10	10	12			
8824		"	"	Am.	28	s			10	10	12			
8825		"	"	"	26				10	10	12			
8826		"	"	"	18				10	10	12			
8827		"	"	Irish	53	m	2	3	10	10	12			
8828		"	"	Ger.	27		2	3	10	10	12			
8829		"	"	Can.	45		2	5	10	10	12			
8830		"	"	Irish	36		2	8	10	10	12			
8831		"	"	Eng.	42		2	7	10	10	11			Lack of work
8832		"	"	Am.	21	s			10	10	10	2		
8833		"	"	Can.	42	m	2	10	10	10	12			
8890	Bay City	"	"	"	31		2	3	11	11	12			
8891		"	"	Ger.	50		2	4	11	11	12			
8892		"	"	Am.	36		2	6	11	11	13			
8893		"	"	French	48		2	2	11	11	13			
8894		"	"	Am.	23		2		11	11	12			
8895		"	"	"	40		2		11	11	12			
8896		"	"	"	22	s			11	11	13			
8897		"	"	Can.	35	m	2	1	11	11	13			
8898	Lansing	"	"	Am.	34		2	3	10	10	12			
8899	Detroit	"	"	Irish	28	s			11	11	12			
8900		"	"	Ger.	32	m	2	4	10	10	12			
8921	Jackson	Trucker	"	Irish	40		2	3	10	10	12			
8922		"	"	Can.	63		4		10	10	12			
8923		"	"	Am.	40	s			10	10	11 1/4	1/4		Sickness
8924	Saginaw	"	"	"	23	m	2		10	10	12			
8925	Detroit	"	"	Can.	31		2	3	10	10	12			
8926		"	"	Ger.	30		2	1	10	10	12			
8927		"	"	"	32		2		10	10	12			
8928		"	"	Am.	42		2	4	10	10	12			
8929		"	"	Ger.	31		2	2	10	10	12			
8930		"	"	"	51		3	5	10	10	12			
8981	Bay City	"	"	Am.	22	s			10 1/4	10 1/4	12			
8982	Detroit	"	"	Irish	28	m	2		10	10	12			
8983		"	"	Pole	43		2	9	10	10	12			
8984		"	"	Am.	24	s			10	10	12			
8985		"	"	Ger.	35	m	2	3	10	10	12			
8986		"	"	"	43		2	5	10	10	12			
8987		"	"	Am.	24	s			10	10	12			

* Foreman.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per		Regular time.	Overtime.	Total.						
11	day	\$1 43		mo.	\$448		\$448		neither	neither	no	worse	worse
11	"	1 43		"	448		448		"	"	"	"	"
10	mo.	36 00		"	482		482		"	"	"	same	same
10	day	1 23	yes*	"	391	850	451	10%	"	"	"	worse	worse
10	"	1 10	hr 11c	"	344		344	10	"	"	"	"	"
10	mo.	25 00		"	350		350		"	"	\$100		
10	"	25 00		"	420		420		"	dec. \$35 mo	100	worse	worse
10	"	30 00		"	360		360		"	neither	no	"	"
10	"	25 00		"	420		420		"	"	40	"	"
10	"	25 00		mo.	280		280		"	"	100	"	"
10	"	25 00		"	420		420		"	neither	no	"	worse
10	"	50 00		"	600		600		inc. \$5 mo.	inc. \$5 mo	"	better	better
10	"	55 00	hr 30c	"	660		660	10	neither	neither	"	"	"
12	"	50 00		"	600		600		inc. \$5 mo.	inc. \$5 mo	125	same	same
12	"	60 00		"	600		600		neither	neither	100	better	better
10	"	45 00		"	540		540		"	"	no	worse	worse
10	"	50 00		"	600		600		"	"	"	same	same
10	"	50 00		"	600		600		"	"	"	"	"
10	"	45 00		"	540		540		"	"	"	worse	worse
12	"	65 00		"	750		750		inc. \$5 mo.	"	120	same	same
12	"	50 00		"	600		600		neither	"	no	"	"
10	"	40 00		"	480		480		"	neither	350	worse	better
12	"	30 00		"	120		120		"	inc. \$10 mo	50	better	"
10	day	1 25		"	378		378		"	neither	yes*	worse	worse
10	mo.	25 00		"	420		420		"	"	100	"	"
10	"	31 00	yes*	"	372	70	442	10	"	"	no	same	"
10	"	31 00	"	"	372		372	10	"	"	"	"	"
10	"	31 00	"	"	372	60	432	10	"	"	"	"	"
10	"	33 00	"	"	396	70	466	10	"	neither	"	better	better
10	"	33 00		"	396		396		"	"	"	same	"
10	"	31 00	yes*	"	372	70	442	10	"	neither	"	worse	same
10	"	32 00	"	"	384	70	454	10	"	"	"	"	"
10	"	32 00		"	384	80	414	10	"	"	"	better	better
10	"	32 00	yes*	"	384	75	459	10	"	"	"	worse	worse
10	"	31 00		"	341	60	401	10	"	"	"	"	"
10	"	31 00	yes*	"	310	100	410	10	"	"	"	worse	worse
10	"	32 00	"	"	394	70	454	10	"	"	no	same	same
11	"	35 00		"	420		420		"	"	"	worse	worse
11	"	35 00		"	420		420		"	"	"	"	"
11	"	35 00		"	420		420		"	"	"	"	"
11	"	35 00		"	420		420		"	"	"	"	"
11	"	35 00		"	420		420		"	"	"	"	"
11	"	35 00		"	420		420		"	"	"	"	"
11	"	35 00		"	420		420		"	"	"	worse	worse
11	"	35 00		"	420		420		"	"	"	same	same
10	"	45 00		"	540		540		"	"	"	"	"
11	"	30 00	yes*	"	360		360	11	"	"	"	"	"
10	"	30 00	"	"	360		360	10	"	"	"	"	same
10	day	1 25	hr 12 1/2 c	"	391		391	10	"	"	100	"	worse
10	"	1 25	" 12 1/2 c	"	391		391	10	"	"	100	"	"
10	"	1 25	" 12 1/2 c	"	375	40	415	10	"	"	100	"	same
10	mo.	30 00		"	360		360		"	dec. \$10 mo	no	worse	worse
10	"	35 00	yes*	"	456		456	10	"	inc. 10c day	"	"	"
10	"	35 00	"	"	456	40	496	10	"	neither	120	same	same
10	"	35 00	"	"	456		456	10	"	"	no	worse	worse
10	"	52 00	"	"	524		524	10	"	"	100	same	same
10	"	35 00	"	"	456		456	10	"	"	no	better	same
10	"	35 00	"	"	456		456	10	"	"	"	worse	worse
10 1/2	"	35 00		"	420		420		"	"	"	"	"
10	day	1 50		"	470		470		"	neither	no	worse	"
10	mo.	25 00	yes*	"	456		456	10	inc. 10c day	inc. 10c day	"	same	same
10	"	45 00	"	"	516		516	10	" 10c "	" 10c "	"	better	better
10	"	35 00	"	"	456		456	10	neither	neither	"	worse	worse
10	day	1 40		"	438		438	10	"	"	"	same	same
10	mo.	35 00		"	438		438	10	"	"	"	"	"

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroad where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.		Causes for lost time.	
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.		Days.
8938	Detroit	Trucker	M. C. R. R.	Can.	23	s			10	10	6	6		
8939	"	"	"	Am.	54	s			10	10	12			
8940	"	"	"	Ger.	32	m	s	4	10	10	12			
8941	"	"	"	"	34	s			10	10	11	1	Sickness	
8942	"	"	"	Am.	19	m			10	10	11½	1	"	
8943	"	"	"	"	30	m			10	10	12			
8944	"	"	"	Ger.	31	s			10	10	12			
8945	"	"	"	"	21	s			10	10	9	8	Sickness	
9058	"	Laborer	"	Irish	35	s			10	10	12			
9059	"	"	"	"	27	m			10	10	12			
9060	"	"	"	Am.	25	s			10	10	10	2	Lack of work	
9061	"	"	"	Ger.	32	m	s	2	10	10	10½	1½	Lack of work	
9062	"	"	"	"	21	s			10	10	10	2		
9063	"	"	"	Dane	39	m			10	10	12			
9064	"	"	"	Ger.	44	s			4½	10	12			
9065	"	"	"	Am.	52	s			10	10	12			
9066	"	"	"	Can.	58	s			5	10	12			
9067	"	"	"	"	21	s			10	10	8	4	Lack of work	
9068	"	"	"	Am.	22	s			10	10	12			
9069	"	"	"	Ger.	26	m			2	10	12			
9070	"	"	"	Irish	49	s			2	10	12			
9071	Grand Lake	"	"	Am.	12	s			10	10	12		10	Sickness
9072	Detroit	"	"	Scotch	60	s			5	8	8	4		
9073	"	"	"	Irish	55	s			2	10	12			
9074	Jackson	"	"	"	38	s			1	10	12			
9075	Saginaw	"	"	Dane	30	s			11	11	12			
9076	Bay City	"	"	French	45	s			10	10	12			
9077	Detroit	"	"	Ger.	43	s			1	10	12			
9078	Jackson	"	"	Am.	23	s			10	10	9	8	Lack of work	
9079	"	"	"	Irish	32	m			10	10	12			
9080	"	"	"	"	32	s			1	10	12			
9081	"	"	"	Can.	26	s			10	10	11	1	Lack of work	
9082	"	"	"	Am.	51	s			10	10	10	2	Sickness	
9083	"	"	"	Ger.	25	s			10	10	12			
9084	"	"	"	Am.	50	m	s	3	10	10	12			
9085	"	"	"	Ger.	40	s			10	10	11½			Sickness
9086	"	"	"	Am.	37	m			2	10	10	11½	7	
9087	Detroit	"	"	Can.	29	s			10	10	12	18		
9088	"	"	"	"	36	m			1	10	12			
9089	"	"	"	"	38	s			7	10	12			
9090	"	"	"	Ger.	67	s			1	10	12			
9091	"	"	"	Am.	37	s			1	10	12			
9092	"	"	"	Ger.	56	s			4	9	10	12		
9093	"	"	"	Eng.	35	s			1	10	12			
9094	"	Supt. din. car	"	Am.	44	s			4	8	8	12		
9095	"	Div. supt.	"	"	49	s			2		12			
9096	Bay City	"	"	"	48	s			5	12	12			
9097	Windsor	Trans. supt.	"	"	48	s			5	10	10	12		
9098	Springwells	Gen. f'man.	"	"	49	s			1	10	10	12		
9099	Detroit	Foreman *	"	"	68	s			1	10	10	12		
9099	Niles	Foreman †	"	"	48	s			10	10	12			
9100	Detroit	Supt. ‡	"	Can.	48	s			10	10	12			
9101	"	"	"	Am.	59	s			8	10	10	12		
9102	"	Tr'n master	"	"	29	s			12	12	12			
9102	Ypsilanti	R'd	"	"	40	m			1	13	13	12		
9103	Detroit	Car agent.	"	"	31	s			2	8	8	12		
9104	"	Architect.	"	Ger.	57	s			2	8	8	12		
9105	Saginaw	Depot master	"	Am.	44	s			2	13½	12	12		
9106	Ypsilanti	"	"	"	35	s			2	3	14	14		
9107	Detroit	"	"	"	22	s			8	8	9	3	Att'nd'g school	
9108	"	Civil eng'r.	"	"	35	m			8	8	12			
9109	"	Dra'ghtsman	"	"	23	s			8	8	12			
9110	"	"	"	Jap.	37	m			5	8	8	12		
9111	Saginaw	Frt. solicitor	"	Nor.	31	s			2	12	14	12		
9112	"	Solicitor	"	Am.	24	s			10	10	12			
9113	"	Collector	"	"	48	m			1	10	10	12		
9114	Detroit	Store keeper	"	"	17	s			12	7	12	5	Lack of work.	
9115	"	"	"	"	27	m			1	9	9	12		

* Flour department.

† Bridge department.

‡ Tracks and bridges.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago.
	Amount per		Am't per.		Regular time.	Overtime.	Total.						
19	day	\$1 40	yes*	mo.	\$218		\$218	10	neither				
10	"	1 40	"	"	488		488	10	"	inc. 10c day	no	better	worse
10	mo.	38 00	"	"	456		456	10	"	neither	"	worse	same
10	"	38 00	"	"	418		418	10	"	"	"	same	same
10	"	38 00	"	"	292		292	10	"	"	"	worse	same
10	"	38 00	"	"	456		456	10	"	"	"	same	better
10	"	38 00	"	"	336		336	10	"	neither	"	"	same
10	"	38 00	"	"	312		312	10	"	"	"	"	same
10	"	32 00	"	"	384		384	10	"	neither	no	"	worse
10	"	32 00	"	"	351	\$60	411	10	"	"	"	"	"
10	"	32 00	"	"	320		320	10	"	"	"	better	worse
10	"	32 00	"	"	336		336	10	"	"	"	"	same
10	"	32 00	"	"	320		320	10	"	"	"	worse	same
10	"	40 00	"	"	480		480	10	"	"	"	same	same
10	"	31 00	yes*	"	372		372	10	"	"	"	"	"
10	"	40 00	"	"	480		480	10	"	"	"	"	"
10	"	53 00	"	"	624		624	10	"	"	"	worse	worse
10	"	40 00	"	"	320		320	10	"	"	\$75	better	same
10	"	40 00	"	"	480		480	10	"	"	no	same	same
10	"	42 00	"	"	504		504	10	"	"	"	"	worse
10	"	33 00	"	"	384	75	459	10	"	"	"	worse	same
10	day	1 00	"	"	303		303	10	"	"	"	same	same
10	mo.	25 00	yes*	"	280		280	10	"	"	"	worse	same
10	"	33 00	"	"	384		384	10	"	neither	"	"	worse
10	day	1 30	hr. 12c	"	407		407	10	"	"	150	same	better
10	mo.	40 00	"	"	480		480	10	"	"	"	"	same
10	day	1 25	yes*	"	391		391	10	"	neither	no	worse	worse
10	mo.	39 00	"	"	468		468	10	"	"	"	same	same
10	day	1 25	hr. 12½c	"	398		398	10	"	"	"	worse	same
10	"	1 25	" 12½c	"	391		391	10	"	"	"	same	same
10	"	1 25	" 12½c	"	391		391	10	"	"	"	same	same
10	"	1 25	" 12½c	"	358		358	10	"	"	"	same	better
10	"	1 25	" 12½c	"	325		325	10	"	"	50	"	same
10	"	1 10	" 11c	"	344		344	10	"	"	no	"	"
10	"	1 50	" 15c	"	470		470	10	"	"	50	"	same
10	"	1 10	" 11c	"	337		337	10	"	"	40	"	"
10	"	1 50	" 15c	mo.	450		450	10	"	"	no	"	"
10	mo.	40 00	yes*	"	480		480	10	"	"	80	worse	worse
10	day	2 00	"	"	626		626	10	"	inc. 25c day	100	better	better
10	"	1 60	"	"	501		501	10	"	neither	no	same	same
10	"	1 50	"	"	470		470	10	"	"	"	"	"
10	mo.	45 00	"	"	540		540	10	"	"	"	better	worse
10	"	32 00	"	"	384		384	10	"	inc. 30c day	"	worse	better
10	"	338 33%	"	"	4,000		4,000	10	"	" \$1.66mo.	yes*	better	"
10	"	275 00	"	"	3,300		3,300	10	"	neither	"	same	same
10	"	100 00	"	"	1,200		1,200	10	"	dec. 75c mo	"	worse	worse
12	"	115 00	"	"	1,880		1,880	10	"	neither	200	same	better
10	"	125 00	"	"	1,500		1,500	10	"	"	yes*	same	same
10	"	80 00	"	"	720		720	10	"	"	250	worse	worse
10	"	38 33%	"	"	1,000		1,000	10	"	"	400	"	"
10	"	"	"	"	"		"	10	"	"	no	same	same
12	mo.	100 00	"	"	1,200		1,200	10	"	"	"	worse	worse
12	"	75 00	"	"	900		900	10	"	"	75	same	"
8	"	125 00	"	"	1,500		1,500	10	"	dec \$1.66 m	yes*	"	better
8	"	115 00	"	"	1,280		1,280	10	"	neither	no	"	same
12½	"	55 00	"	"	680		680	10	"	"	"	"	worse
14	"	55 00	"	"	680		680	10	"	"	"	"	"
8	"	50 00	"	"	600		600	10	"	neither	100	"	"
8	day	2 50	yes*	"	783		783	8	inc. \$10 mo.	"	"	better	better
8	"	1 50	"	"	478		478	10	" 10 "	neither	no	same	better
8	mo.	140 00	"	"	1,680		1,680	10	" 20 "	inc. \$20 mo.	"	same	worse
18	"	80 00	"	"	720		720	10	"	inc. \$15 mo.	300	"	same
10	"	55 00	"	"	680		680	10	"	"	"	"	"
10	"	45 00	"	"	540		540	10	dec. \$5 mo.	"	no	"	"
12	"	43 00	"	"	294		294	10	"	neither	"	better	same
9	"	70 00	yes*	"	840		840	9	inc. \$10 mo.	"	200	same	better

* Does not say what.

TABLE No. 1.—

Line number.	Residence.	Occupation.	Railroads where engaged.	Nativity.	Age.	Married or single.	No. in family.		Hours per day.		Lost time.			Cause for lost time.
							Adults.	Children.	Winter.	Summer.	Months worked.	Months.	Days.	
9116	Detroit	Store keeper	M. C. R. R.	Am.	27	s			10	10	12			
9117	Jackson	Depot police	"	"	42	H	2		12	12	12			
9118	Kalamazoo	"	"	"	34	"			11	11	12			
9119	Jackson	"	"	Am.	40	"	2	2	12	12	12			
9120	Detroit	Lineman	"	Ger.	49	"	2	2	10	10	12			
9121	Jackson	"	"	Am.	36	"	2	2	18	18	12			
9122	Detroit	"	"	"	32	"	2	1	10	10	12			
9123	Jackson	"	"	"	32	"	2		10	10	12			
9124	Detroit	Mail porter	"	"	19	s			12	12	12			
9125	Jackson	Porter	"	"	36	"			12	12	12			
9126	"	"	"	"	32	m	2	1	12	12	12			
9127	Bay City	"	"	"	27	"		1	11	11	12			
9128	Detroit	"	"	"	59	"	2	2	10	10	12			
9129	Ypsilanti	"	"	Can.	22	s			12	12	3	9		Other business
9130	Jackson	"	"	"	54	m	2	1	12	12	12			
9131	"	"	"	Am.	23	s			12	12	6	6		Lack of work
9132	"	"	"	"	33	m	2		12	12	12			
9133	Detroit	Caller	"	"	23	s			12	12	12			
9134	Grand Rapids	"	"	"	24	"			10	10	12			
9135	Detroit	"	"	Can.	20	"			12	12	12			
9136	"	Captain	"	Am.	46	m	2	3	12	12	12			
9137	Windsor	Wheelman	"	"	50	"	2		12	12	12			
9138	Detroit	Stevedore	"	"	17	s			10	10	10	2		Sickness
9139	"	"	"	"	18	"			10	10	12			
9140	"	"	"	"	19	"			10	10	12			
9141	"	"	"	Can.	43	m	2	3	10	10	12			
9142	"	"	"	"	28	"	2		10	10	12			
9143	"	"	"	Am.	17	s			10	10	2	10		Other business
9144	Springwells	"	"	Ger.	29	m	2	3	10	10	12			
9145	Detroit	"	"	"	45	"	2	4	10	10	12			
9146	"	"	"	Am.	19	s			10	10	10	2		Lack of work
9147	Springwells	"	"	Ger.	33	m	2	4	10	10	12			
9148	Detroit	"	"	Irish	23	"	2		10	10	12			
9149	"	"	"	Ger.	36	"	2	3	10	10	12			
9170	"	"	"	Irish	23	s			10	10	12			
9171	"	"	"	"	62	m	2	1	10	10	12			
9172	"	"	"	Can.	25	s			10	10	12			
9173	"	"	"	Ger.	43	m	2	5	10	10	12			
9174	"	"	"	Irish	34	s			10	10	12			
9175	Windsor	Dockman	"	Can.	16	"			12	12	12			
9176	Detroit	"	"	Am.	19	"			12	12	12			
9177	Windsor	"	"	Can.	15	"			12	12	12			
9178	"	"	"	"	19	"			12	12	12			
9179	Detroit	"	"	Am.	31	"			10	10	8	4		Lack of work
9180	Sandwich	"	"	Eng.	40	m	2	2	12	12	12			
9181	Windsor	"	"	Can.	17	s			12	12	7	5		Lack of work
9182	"	"	"	"	21	"			12	12	12			
9183	Jackson	Sta. foreman	"	Am.	51	m	2	1	10	10	12			
9184	"	Water service	"	"	27	s			10	10	11	1		
9185	Saginaw	"	"	Irish	16	"			10	10	12			
9186	"	Foreman *	"	Am.	55	m	2		12	12	12			
9187	"	Bridge *	"	"	30	"	2		10	10	12			
9188	"	Bridge tend.	"	"	"	s			12	12	12			
9189	Detroit	Packer	"	"	38	m	2	2	10	10	9	3		Lack of work
9190	"	Lamp clean'r	"	Ger.	25	"	2		10	10	12			
9191	Bay City	Lamp light'r	"	Am.	18	s			10	10	12			
9192	Detroit	Plasterer	"	"	28	m	2	1	10	10	9	3		Lack of work
9193	Ypsilanti	Gardener	"	Eng.	67	"	2	2	10	10	11	1		"
9194	"	"	"	Scotch	28	s			10	10	3			Other business
9195	"	"	"	Eng.	46	"			10	12	10	2		Lack of work
9196	Niles	"	"	Am.	23	"			10	10	8	4		"
9200	Bay City	Wrecker	"	Pole	40	"			10	10	12			
9201	Detroit	Frt. carter	"	Am.	17	"			10	10	10	2		Lack of work
9202	"	Messenger	"	"	32	m	2	2	11	11	12			
9203	"	"	"	"	23	"			10	10	9	3		Lack of work
9204	"	"	"	"	16	"			10 1/2	10 1/2	4	8		"

* Bridge carpenter.

Railway employes.

Average hours on duty.	Regular time.		Over-time.	Pay days—how often.	Total earnings.			How many hours on duty before overtime is paid.	Has there been any increase or decrease in wages during the past year. If so, how much.	Has there been any increase or decrease in wages during the past five years. If so, how much.	Have you saved money past year. If so, how much.	Are times better or worse than one year ago.	Are times better or worse than five years ago?
	Amount per		Am't per		Regular time.	Over-time.	Total.						
10	mo.	\$40 00	yes*	mo.	\$480		\$480		neither	neither	\$50	same	same
12	"	50 00		"	600		600		"	"		"	worse
11	"	45 00		"	540		540		"	"	no	worse	"
12	"	40 00		"	480		480		"	"	"	same	same
10	"	65 00		"	780		780		"	"	"	"	"
18	"	70 00		"	840		840		"	"	250	"	"
10	"	65 00		"	780		780		"	"	100	worse	
10	"	65 00		"	780		780		"	"	100	"	
12	"	40 00		"	480		480		"	increase	yes*	"	better
12	"	45 00		"	540		540		"	neither	"	same	same
12	"	45 00		"	540		540		"	"	no	"	worse
11	"	35 00		"	420		420		"	"	"	worse	"
10	"	35 00		"	420		420		"	"	"	same	same
12	"	85 00		"	105		105		"	"	50	"	
12	"	42 00		"	504		504		"	neither	"	same	same
12	"	45 00		"	270		270		"	"	no	"	"
12	"	42 00		"	504		504		"	"	100	"	"
10	"	37 00		"	444		444		"	"	no	worse	worse
12	day	1 25		"	391		391		"	increase	"	"	
12	mo.	40 00		"	480		480		inc. \$6 mo.	"	60	better	better
12	"	83 33 1/4		"	1,000		1,000		neither	"	no	same	same
12	"	45 00	yes*	"	540		540	12	"	"	"	"	"
10	"	30 00		"	360		360	10	"	increase	"	better	worse
10	"	30 00		"	360		360	10	"	"	"	worse	"
10	"	30 00		"	360		360	10	"	"	"	same	same
10	"	30 00	yes*	"	360		360	10	"	neither	100	"	"
10	"	30 00		"	360		360	10	"	"	no	"	
10	"	30 00		"	360		360	10	"	"	"	same	"
10	"	30 00	yes*	"	360		360	10	"	neither	"	"	"
10	"	30 00		"	360		360	10	"	"	"	"	"
10	"	30 00		"	360		360	10	"	"	"	"	"
10	"	30 00		"	360		360	10	"	"	"	"	"
10	"	30 00		"	360		360	10	"	"	"	"	"
10	"	30 00	yes*	"	360		360	10	"	"	40	better	better
10	"	30 00		"	360		360	10	"	"	no	worse	worse
10	"	32 00		"	384		384	10	"	"	100	better	"
10	"	32 00		"	384		384	10	"	"	150	worse	same
10	"	32 00		"	384		384	10	"	"	"	better	"
10	"	32 00		"	384		384	10	"	"	"	worse	worse
10	"	32 00		"	384		384	10	"	"	yes*	same	same
12	"	25 00		"	420		420	10	"	"	"	better	"
12	"	26 00		"	420		420		"	"	no	same	same
12	"	26 00		"	420		420		"	"	"	"	"
12	"	26 00		"	420		420		"	neither	"	"	"
10	"	40 00	yes*	"	320		320	10	"	"	"	better	worse
12	"	25 00		"	420		420		"	"	"	same	same
12	"	35 00		"	245		245		"	"	"	better	"
12	"	25 00		"	420		420		"	"	"	same	same
10	"	75 00	hr. 80c	"	900		900	10	"	"	"	"	"
10	day	1 50	" 15c	"	430		430	10	"	"	yes*	"	"
10	"	1 25	" 15c	"	391		391	10	"	"	125	"	"
10	mo.	80 00		"	960		960	10	"	"	yes*	"	"
10	day	2 25	yes*	"	704		704	10	"	inc. 75c day	200	"	"
10	mo.	25 00		"	420		420		"	neither	"	"	"
10	"	32 00	yes*	"	288		288	10	"	"	100	worse	better
10	"	40 00		"	480		480	10	"	"	50	same	"
10	"	30 00		"	360		360	10	"	"	no	worse	worse
10	"	28 00	yes*	"	342		342	10	"	"	"	"	"
10	day	1 25		"	357		357		"	"	"	same	"
10	"	1 25		"	98		98		"	"	"	"	"
11	"	1 25		"	325		325		neither	neither	"	same	"
10	"	1 25		"	260		260		"	"	25	worse	worse
10	mo.	35 00		"	420		420		"	"	yes*	"	"
10	"	30 00		"	360		360	10	"	"	"	better	"
11	"	40 00		"	480		480		"	"	120	"	worse
10	"	31 00	yes*	"	279	\$70	349	10	"	"	no	worse	"
10 1/2	"	15 00		"	60		60		"	neither	"	better	"

* Does not say what.

TABLE No. 1.—Continued from page 5.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1	yes	no					neither	increased	yes	no	
2	"	"					increased	neither	"	"	
3	"	\$200	7%	yes	mortgage		neither	increased	"	"	
4	"	no					"	"	"	"	
5	no	no					"	"	yes	"	
6	yes	no					"	"	"	"	
7	yes	no					"	"	yes	"	
8	yes	no					"	"	no	"	
9	yes	no				\$10 00	increased	"	yes	"	
10	yes	no					neither	"	yes	"	
11	no						"	"	"	"	
12	yes	no					"	neither	no	"	
13	no						"	"	yes	"	
14							"	"	"	"	
15							"	neither	"	"	
16							"	increased	"	"	
17							"	"	"	"	
18							"	"	"	"	
19	yes	no					"	neither	no	"	
20							"	"	"	"	
21							"	increased	no	"	
22	no					5 00	"	"	"	"	
23	yes	no					"	"	yes	"	
24	"	350	7%	yes	mortgage		"	"	"	"	
25	"	175	7½%	yes	contract		increased	"	"	"	
26	"	250	7%		mortgage		neither	"	"	"	
27	"	no					increased	"	"	"	
28							neither	"	"	"	
29							"	"	"	"	
30							"	"	"	"	
31							"	"	"	"	
32	no					7 00	"	increased	no	"	
33	yes	no					"	neither	yes	"	
34	no					6 00	"	increased	"	"	
35							"	"	"	"	
36	yes	no					"	"	yes	"	
37	"	"					"	neither	"	"	
38	no					7 00	increased	increased	no	"	
39							neither	"	yes	"	
40	no					4 50	"	"	"	"	
41							"	neither	yes	"	
42	yes	75	6%	yes	contract		"	increased	"	"	
43	no						"	"	yes	"	
44							"	"	"	"	
45							"	neither	"	"	
46	no					5 50	"	increased	no	"	
47	yes	no					"	neither	yes	"	
48							"	increased	"	"	
49						4 00	"	"	no	"	
50	no					4 00	"	"	"	"	
51							"	"	no	"	
52							"	"	"	"	
53							"	"	"	"	
54	no						increased	"	"	"	
55	no					4 00	neither	"	no	"	
56						4 00	"	"	"	"	
57							"	"	"	"	
58	yes	no					"	"	"	"	
59	no					3 50	increased	"	"	"	
60	"					5 00	"	"	"	"	
61	"					4 00	neither	"	"	"	
62							increased	"	"	"	
63	no					4 00	neither	"	no	"	
64						4 50	"	increased	"	"	
65	yes	no					"	"	"	"	
66							"	"	"	"	
67							"	"	"	"	
68							"	"	"	"	
69							"	"	"	"	
70							"	"	"	"	
71							"	"	"	"	
72							"	"	"	"	
73							"	"	"	"	
74							"	"	"	"	
75							"	"	"	"	
76	no					5 50	"	increased	no	"	
77	yes	no					"	neither	yes	"	
78							"	increased	"	"	
79						4 00	"	"	no	"	
80	no					4 00	"	"	"	"	
81							"	"	"	"	
82							"	"	no	"	
83							"	"	"	"	
84							"	"	"	"	
85							"	"	"	"	
86	no					4 00	increased	"	"	"	
87						4 00	neither	"	no	"	
88							"	"	"	"	
89	yes	no					"	"	"	"	
90	no					3 50	increased	"	"	"	
91	"					5 00	"	"	"	"	
92	"					4 00	neither	"	"	"	
93							increased	"	"	"	
94	no					4 00	neither	"	no	"	
95						4 50	"	increased	"	"	
96	yes	no					"	"	"	"	
97							"	"	"	"	
98							"	neither	"	"	
99							"	increased	no	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	yes	no	no			good	none	
		no	no	"	"			none	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		yes	yes	yes	yes			good	fingers jammed	
		yes	yes	"	no			none	none of importance	
		no	no	"	"	yes	less	"	none	
				"	"			"	"	
				"	yes			good	none of importance	
				"	"			none	fingers smashed	
				"	"	no	less	"	none	
			no	"	no	yes	less	"	"	
				"	yes			"	"	
				"	no			"	"	
		no	no	"	yes	yes	less	"	"	
		yes	"	"	no	yes	same	"	none of importance	
		no	yes	"	"	no		good	none	
			no	"	"			"	"	
				yes	no			"	"	
				"	yes			"	"	
	yes			"	yes	yes	less	none	"	
		yes	no	no	yes			"	"	
		no	"	"	no	yes	less	"	"	
			yes	yes	yes	yes	less	"	"	
			"	"	yes			"	"	
		no	no	no	no	yes	less	"	"	
			yes	"	"	no	same	"	"	
				"	"	no	less	"	"	
		yes	no	no	yes	yes		"	"	
			"	"	no	yes	less	"	"	
		no	"	"	yes	"		"	"	
				"	yes	yes	less	"	"	
				"	no	yes	less	"	"	
				"	"			"	"	
		no	no	"	no	yes	less	"	"	
			"	"	"	"	same	"	"	
				"	"	"	less	"	"	
				"	no	yes		"	"	
				"	yes	no		good	"	
				"	yes	yes		none	"	
				"	"	"		"	"	
				"	no	yes		"	"	
				"	yes	"		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	
				"	"	yes		"	"	
				"	"	no		"	"	
				"	"	no		"	"	

TABLE No. 1.—Continued from page 7.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
100											
101	no					23 00	neither	increased	no	no	
102						4 50	increased	"	"	"	
103							neither	neither		"	
104	no					6 00	increased	increased		"	
105							neither	"		"	
106	no					7 00	"	"	no	"	
107							"	"		"	
108						4 50	"	neither	no	"	
109	no					3 00	"	increased	"	"	
110	"					4 00	increased	"	"	"	
111							neither	"		"	
112	yes						"	"	no	"	
113	yes					5 00	"	"	"	"	
114	yes	no					"	"	"	"	
115							"	neither	"	"	
116	no					6 00	"	increased	no	"	
117	"					5 00	"	"	"	"	
118							"	neither	"	"	
119	no					4 50	"	increased	no	"	
120						6 50	"	"	"	"	
121							"	neither	"	"	
140	no						increased	increased		"	
141	"					12 00	"	"	no	"	
142	yes	375	6%	yes	mortgage		neither	"	yes	"	
143							"	"	"	"	
144	no					15 00	"	"	yes	"	
145							"	neither	"	"	
150	yes	no					increased	"	yes	B. of L. E.	yes
151	"	300	7%	yes	mortgage		neither	increased	"	no	
152							increased	"	yes	"	
153	no					12 50	"	"	"	"	
154	yes	150	6%	yes	contract		"	"	"	"	
155	"	no					neither	"	"	"	
157	"						"	"	"	"	
158	no					4 00	increased	"	no	"	
159							neither	neither	yes	"	
160	yes	no					increased	decreased	"	"	
161	"	"					decreased	"	yes	"	
162						6 50	neither	neither	yes	"	
164	no						"	"	"	"	
165							"	increased	yes	"	
166	yes	no				6 50	"	"	"	"	
167	no					5 00	increased	neither	no	"	
168	"						neither	"	"	"	
169							"	increased	"	"	
170							"	"	"	"	
171							"	"	no	"	
172	no					6 50	"	"	"	"	
173							"	"	no	"	
184	no					5 50	"	"	yes	O. of R. T. and R. A. A.	yes
185	"					3 00	"	neither	"	O. of R. T.	"
186	"						"	"	yes	no	
187	"					10 00	"	"	"	"	
188	"					15 00	"	"	"	"	
189	yes	no					"	"	"	R. A. A.	no
190							"	"	"	no	
191						15 00	"	neither	"	"	
192	no					10 00	"	"	yes	"	
193	"						"	"	"	"	
194	"						"	"	"	"	
195							"	"	"	"	
196	no					10 00	"	"	yes	"	
197	yes	no					"	"	"	"	
198	no					9 00	"	increased	no	I. A. of A. M.	yes

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	yes	no	less	none	none	
		"	"	"	yes	"	"	"	"	
		"	"	"	"	"	"	none	"	
		no	no	"	"	"	"	"	"	
		no	no	"	"	"	"	"	"	
		no	no	"	yes	yes	less	"	"	
		"	"	"	no	no	"	"	"	
		"	"	"	"	yes	"	"	"	
		no	no	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	no	same	"	"	
		no	no	"	yes	less	"	"	"	
		"	"	"	"	"	"	"	"	
		no	no	"	no	yes	less	"	"	
		"	"	"	"	"	"	"	"	
		no	no	"	yes	less	"	"	"	
		yes	yes	no	"	yes	more	"	four fingers jammed	
yes	yes	yes	yes	yes	yes	yes	less	"	none	
		no	no	"	no	no	"	"	"	
		no	yes	"	"	yes	same	"	"	
		yes	"	yes	yes	"	"	"	"	
		no	"	"	"	"	"	"	wrist sprained	
		"	"	"	"	"	"	"	none	
		"	"	no	"	yes	less	"	"	
		yes	"	yes	"	"	"	"	foot jammed	
		no	no	"	"	no	"	"	none	
		"	"	"	"	"	"	"	finger jammed	
		"	"	"	"	"	"	"	none	
		no	no	"	yes	no	same	"	"	
		"	"	"	"	yes	less	"	arm hurt	
		"	"	"	"	"	same	"	none	
		"	"	"	"	"	"	"	hand jammed	
		no	no	"	"	no	less	"	none	
		"	"	"	"	yes	same	"	"	
		no	no	"	"	"	"	"	"	
no	yes	no	yes	"	yes	no	same	bad	"	
yes	no	no	yes	"	yes	"	"	good	"	
		yes	yes	"	no	"	"	bad	"	
		"	"	no	"	"	"	good	"	
no	no	"	yes	yes	yes	"	"	bad	"	
		"	yes	yes	"	"	"	none	"	
		no	no	"	"	yes	less	bad	"	
		"	"	"	"	"	"	none	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	yes	"	no	yes	"	"	"	
no	no	yes	yes	"	yes	"	"	"	"	Owne three houses.

TABLE No. 1.—Continued from page 9.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
199							neither	neither		I. A. of A. M.	yes
200	yes	no							yes		
201	"	\$300	7%	yes	mortgage			increased	no	no	
202	"	no						neither	yes		
208											
210	yes	no							yes		
211						\$15 00					
212	no					6 00			no		
213	yes	no									
214						10 00			yes		
215	no					8 00		increased	no		
216	yes	no							yes		
217	no					5 00		neither	no		
218								increased			
219	no					4 00					
220	"					6 50		neither	yes		
221						10 00					
222						10 00					
223											
224											
232	no					10 00					
233						5 00			no		
234	yes	no								no	
235	no					6 00					
236						10 00					
237	yes	no						neither	yes	no	
238	no					3 00					
239							neither				
239a	"										
239b	"										
239c	"										
240						3 00	increased	increased	yes		
241						5 00					
242	yes	300	8%	yes	contract						
243		no					neither				
244	no					4 00	increased	increased			
245											
246	yes	\$45	8%	yes	contract						
247	"	400	8%	"	"						
248	no					5 00					
252						5 00	neither				
253							increased	increased			
254						5 00	neither	neither	no		
255						4 00	increased	increased			
256	yes	no							yes		
257	no										
261											
262							neither	neither			
263							increased	increased			
264							neither		no		
265						4 00		neither	yes		
266							increased				
274	no					3 00		increased	yes		
275	"					6 00			no		
276	"					4 50	neither	neither	yes		
277						6 00	increased	increased			
278	yes	no									
279	no					6 00					
280	"					5 00					
281	yes	300	8%	yes	contract						
282	no										
283						3 50			no		
284	"					4 00					
285						4 00			yes		
286	yes	no					neither				

Railway employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General Remarks.
no	yes	yes	no	yes	yes	yes	less	none	none	
		no	"	"	no	no	same	"	"	
		"	"	"	"	yes	less	"	"	
			yes	"	"	"	"	"	"	
			no	no	"	"	"	"	"	
		no	yes	"	yes	less	"	"	"	
		no	no	"	"	"	"	"	"	
		no	yes	"	"	"	"	"	"	
		"	no	"	"	"	"	"	"	
		yes	no	no	yes	less	"	"	foot jammed	
		no	no	"	no	less	"	"	none	
			"	"	yes	"	"	"	"	
				yes	"	yes	less	"	"	
				no	yes	"	"	"	"	
		yes	yes	"	no	yes	less	"	none	
		no	no	"	"	yes	less	"	"	
		yes	"	"	"	"	"	"	"	
		yes	yes	"	yes	"	"	good	"	
				"	yes	same	"	"	"	
				"	"	no	"	"	"	
				"	"	"	"	"	"	
				"	"	"	"	"	"	
		yes	yes	"	no	"	"	good	"	
		"	no	"	"	"	"	none	"	
		"	yes	yes	"	"	"	good	"	
		"	no	"	"	yes	less	none	"	
		yes	"	"	"	"	"	good	"	
		"	"	yes	yes	"	"	none	"	
		"	"	"	no	"	"	good	"	
		"	"	"	"	"	"	good	"	
		"	no	"	"	"	"	bad	"	
		"	yes	"	yes	"	"	good	"	
		"	yes	"	yes	"	"	none	"	
		"	yes	"	no	"	"	good	burned hand	
		no	no	no	"	"	"	none	broke collar bone	
		yes	yes	"	"	yes	less	bad	hand smashed	
		no	no	"	yes	"	"	good	none	
		"	"	"	no	"	"	none	leg broken	
		yes	"	"	"	"	"	good	none	
		"	"	"	"	"	"	none	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
		no	yes	yes	"	"	"	good	"	
		"	no	"	yes	yes	same	none	"	
		"	"	"	"	"	"	"	"	
		yes	no	"	"	"	"	"	"	
		no	no	"	no	"	"	good	"	
		"	"	no	yes	less	same	none	"	
		"	"	no	"	yes	"	good	"	
		no	"	"	"	"	"	bad	"	
				"	"	"	"	good	"	

Board in add. to salary.

TABLE No. 1.—Continued from page 11.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what?	Does it help to increase wages.
287	no						increased	increased	yes	no	
288	"						neither			"	
289	"					\$4 00	increased	increased	no	"	
290	yes	\$200	8%	yes	contract				yes	"	
291	no					4 00	neither		no	"	
292	"					3 00	increased	increased	"	"	
293	"						neither	neither	yes	"	
294	"								"	"	
295	"					2 50	increased	increased	no	"	
296	"								yes	"	
297	"					3 00	"	increased	"	"	
298	"						neither	neither	no	Knights of Labor.	yes
312	"						"	"	yes	O. of R. C.	"
313	"						"	"	"	"	"
314	"						"	"	"	"	"
315	yes	no					"	"	"	"	"
316	no								"	"	"
317	"						neither	neither	no	no	
318	"						"		yes	O. of R. C.	no
319	yes	no					"	neither	no	"	yes
320	"	1,500	7%		mortgage		"		no	"	no
321	"					10 00	increased	increased	yes	"	yes
322	no					10 00	neither	neither	yes	no	
323	"					12 50	increased	increased	no	O. of R. C.	
324	"						"		yes	"	yes
325	"						neither	neither	"	"	
326	yes	75	7%	yes	contract	10 00	increased		"	B. of L. F.	"
327	no						neither		"	"	"
328	yes	950	7%	yes	contract		neither		"	O. of R. C.	"
329	no						"	neither	"	"	"
330	yes	150	7%	yes	contract		increased	increased	"	B. of L. F.	"
331	"	no					"		"	O. of R. C.	"
332	"	"					"		"	"	
333	no					15 00	"		"	"	
335	"					10 00	"		"	B. of R. T.	yes
336	"						neither	neither	"	O. of R. C.	
337	"					10 00	increased	increased	"	"	yes
338	"					10 00	"		"	B. of R. T.	no
339	"					12 00	"		"	"	"
340	yes	no					"		"	"	"
341	"	"					"		"	"	"
342	"	"					"		"	"	"
343	no					12 00	"		"	O. of R. C.	yes
344	"					15 00	"		"	"	"
345	"					11 00	"		"	no	
405	"						neither	neither	"	"	
406	"					7 00	increased	increased	no	B. of L. E.	yes
407	yes	no					neither	neither	yes	B. of L. F.	"
408	"	"					"		no	no	
409	"	"					"		yes	"	
410	"	"					"		"	"	
411	"	"					"		"	B. of L. E.	no
412	no					12 00	"	neither	no	"	yes
413	"						"		"	"	no
414	yes	150	7%		mortgage		increased	neither	yes	"	
415	no					12 00	"	inc. 10%	"	"	yes
416	yes	no				12 00	"	increased	"	"	"
417	no					12 00	"		"	"	"
418	"					12 00	"	increased	"	"	"
419	yes	no					"		"	"	"
420	no					15 00	"		"	"	
421	"					10 00	"		"	"	
422	"						"		"	"	
423	"					12 00	"		"	"	yes
424	yes	no					"		"	"	"

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	no	no	no	no	yes	same	bad	none	Board in add. to salary
---	---	"	"	"	no	"	less	good	"	"
---	---	"	"	"	"	yes	same	"	"	"
---	---	"	"	"	no	yes	less	bad	broke leg	Board in add. to salary
---	---	"	"	"	"	no	same	none	none	"
---	---	"	"	"	"	yes	less	"	"	"
---	---	"	"	"	yes	no	same	good	"	"
---	---	"	"	"	yes	no	less	"	smashed foot	"
---	---	"	"	"	no	no	less	"	none	"
---	---	"	"	"	yes	"	"	bad	"	"
no	yes	"	"	"	no	yes	less	none	"	"
yes	no	"	"	yes	yes	"	"	"	"	"
"	"	yes	yes	yes	"	"	"	"	"	"
"	"	no	no	no	no	"	"	"	"	"
"	"	"	"	"	yes	"	"	"	"	"
---	---	yes	yes	no	yes	"	"	"	"	"
yes	yes	"	"	yes	yes	"	"	"	body injured	"
"	no	"	no	no	no	no	less	"	none	"
"	yes	yes	yes	"	"	"	"	"	"	"
"	no	"	"	yes	"	"	"	"	body injured	"
yes	---	no	"	no	"	"	"	"	none	"
"	yes	yes	"	no	no	"	"	none	none	"
no	no	"	no	yes	yes	"	"	"	"	"
yes	yes	"	yes	no	no	no	same	"	crip'l'd h'nd & lost eye	"
"	"	"	"	no	no	"	"	"	none	"
"	yes	no	"	"	"	"	"	"	"	"
"	yes	yes	no	yes	yes	"	"	good	"	"
---	---	"	"	"	"	"	"	"	"	"
yes	---	"	"	"	"	"	"	"	"	"
yes	---	"	"	"	"	"	"	"	none	"
"	yes	"	"	"	"	"	"	none	none	"
"	"	"	"	"	"	"	"	"	"	"
"	"	"	yes	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"	"	"
"	"	no	"	"	"	"	"	"	"	"
---	---	"	"	"	no	"	"	"	"	"
yes	yes	"	no	yes	yes	"	"	none	none	"
"	"	"	"	"	"	"	"	bad	"	"
---	---	"	yes	---	"	"	"	"	"	"
---	---	"	no	---	no	"	"	none	"	"
---	---	"	"	yes	yes	"	"	"	"	"
yes	yes	"	"	no	no	"	"	"	"	"
"	"	"	"	"	"	"	"	"	"	"
"	"	"	no	"	"	"	"	"	none of importance	"
"	"	"	"	"	"	"	"	"	none	"
no	no	yes	---	yes	no	"	"	"	raptured	"
yes	"	"	---	yes	yes	"	"	"	"	"
"	"	"	"	"	"	"	"	"	"	"
"	"	no	"	"	"	"	"	"	"	"
---	---	yes	"	yes	no	"	"	"	"	"
yes	yes	"	---	yes	yes	"	"	"	"	"

Came to this country when a child.
Came to America when a child.

Came to America when a child.

TABLE No. 1.—Continued from page 13.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
425	no					\$15 00	increased	increased	yes	B. of L. E.	yes
426	yes	no				12 00	neither	neither	..	..	..
427	no					12 00	increased	increased	..	..	..
428	yes	\$800	7%			13 00	..	..	..	..	yes
429	no					13 00	..	..	..	..	no
430	yes	no				10 00	..	..	..	..	..
431	no					12 00	..	..	..	..	yes
432	yes	no				6 00	..	..	..	no	no
433	no				mortgage	8 00	increased	increased	no	B. of L. F.	yes
434	yes					8 00	..	..	yes	..	..
435	no					12 00	..	..	..	..	..
436	no					..	..	..	..	..	..
437	no					..	..	..	..	..	..
438	no					..	..	..	..	..	..
439	yes					..	..	..	..	..	..
440	no					..	..	..	..	..	..
441	no					..	..	..	..	..	..
442	no					..	..	..	..	..	..
443	no					..	..	..	..	..	..
444	no					..	..	..	..	..	..
445	no					..	..	..	..	..	..
446	no					..	..	..	..	..	..
447	no					..	..	..	..	..	..
448	no					..	..	..	..	..	..
449	no					..	..	..	..	..	..
450	yes	no				..	increased	increased	..	B. of L. F.	yes
451	no					..	neither	neither	..	..	..
452	no					..	increased	increased	..	..	..
453	no					6 00	neither	neither	..	no	..
454	no					..	..	..	..	..	..
455	no					..	..	..	..	..	..
456	no					4 00	..	..	no	..	..
457	no					10 00	..	..	yes	..	..
458	no					..	increased	increased	yes	B. of L. F.	yes
459	no					9 00	decreased	decreased	..	no	..
460	no					8 00	neither	neither	..	B. of L. F.	yes
461	no					8 00	increased	increased	..	..	..
462	no					7 00	neither	neither	..	..	..
463	no					7 00	increased	increased	no	..	..
464	no					7 00	neither	neither	yes	..	..
465	no					7 00	..	decreased	no	..	..
466	no					5 00	..	neither	yes	..	..
467	no					..	..	..	..	..	..
468	no					..	..	..	no	..	..
469	no					..	..	..	yes	..	..
470	no					4 00	increased	increased	no	..	..
501	no					..	neither	neither	yes	..	..
502	yes	no				..	increased	increased	yes	..	..
503	no					..	..	..	..	..	..
504	no					7 00	neither	neither	..	..	..
505	yes	no				..	increased	..	..	..	..
506	no	250	8%	yes	contract	4 50	neither	..	..	..	..
507	no					10 00	..	..	no	S. M. A. A.	yes
508	no					..	..	..	yes	no	..
509	no					..	..	..	no	B. of R. T.	..
510	no					9 00	neither	..	yes	..	yes
511	no					9 00	..	..	..	..	..
512	yes	no				8 50	increased	increased	yes	..	..
513	no					..	..	..	..	..	..
514	no					..	..	..	..	no	..
515	no					..	..	increased	..	..	..
516	no					..	neither	neither	..	..	..
517	yes	no				..	increased	..	yes	..	..
518	no					..	neither	..	..	..	..
519	no					..	..	..	..	..	..
520	no					8 00	increased	increased	no	..	..

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes		yes			yes					
"		no			"					
yes		yes			"				none	
"	no	"	no	yes	"			none	none	
"	yes	"	no	no	"			"	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	"			"	"	
"	no	"		yes	"			"	"	
"	yes	"	yes	no	"			"	"	
yes	yes	no	no	no	"			none	none	
"	no	"	yes	yes	"			"	"	
"	"	"	no	no	no			"	"	
		yes	"	no	yes			good	"	
		"	"	"	"			none	"	
		"	yes	yes	"			bad	"	
		"	no	no	no	yes	same	none	"	
yes	yes	no	"	"	"			"	"	
"	"	yes	"	"	"			"	"	
"	"	no	"	"	"			"	"	
		yes	yes	yes	"			good	"	
		yes	no	no	"			none	"	
		"	yes	"	"			"	"	
yes		no	no	no	"	yes	less	good	"	
		yes	"	"	"			none	"	
yes	yes	yes	yes	no	"			"	none	
		no	yes	yes	yes			good	"	
		no	no	no	no			good	"	
		no	"	"	"			bad	"	
		yes	"	"	yes			none	smashed finger	
		"	"	"	"			bad	three ribs broken *	
		no	"	"	"	yes	same	none	none	
yes		yes	"	"	no	yes	same	"	"	
		"	yes	no	"	no	"	bad	slight bruises	
		"	no	yes	yes	"	"	none	none	
		no	no	no	no	"	"	"	broke 2 ribs	
		yes	yes	no	no	"	"	"	none	
		no	no	"	yes	"	"	good	ankle sprained	
		yes	"	"	no	"	"	"	"	
yes	yes	no	"	"	"	"	"	"	none	
		yes	yes	yes	yes	"	"	"	"	
yes	yes	no	no	yes	"	"	"	"	hand smashed	
"	no	no	"	no	"	"	"	"	lost a finger	
"	yes	"	"	no	"	"	"	"	none	
	no	"	no	"	no	"	"	"	arm broken	
	"	"	"	no	yes	"	"	none	none	
	yes	"	no	no	yes	"	"	"	"	
	no	"	"	"	yes	"	"	"	"	
	"	"	yes	"	"	yes	same	"	"	
	"	"	"	"	"	"	"	"	lost part of thumb	
	"	"	"	"	no	"	"	"	Hand & foot jammed	
									none	

* and back hurt.

TABLE No. 1.—Continued from page 15.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
521	no						neither	neither	no	no	
522	"									B. of R. T.	yes
523	"									"	"
524	"					\$8 00	increased	neither	yes	"	"
525	"						neither	neither		no	
526	"									B. of R. T.	yes
527	yes	\$400	7%				increased	increased	yes		
528	"					9 00				no	
529	yes	no					"	"	"	B. of R. T.	yes
530	no									no	
531	"						neither	neither	yes	B. of R. T.	no
532	"					8 00	increased	increased	no		
533	"					8 00	"	"	"	"	"
534	"					10 00	"	"	"	"	"
535	"					8 00	"	"	"	"	"
536	"									"	yes
537	"									"	"
538	"									"	"
539	"						neither			"	"
540	no									"	"
541	"						neither	neither		"	"
542	"					8 00	increased	increased	no	"	no
543	"					8 00	"	"		"	"
544	"					9 50	neither	neither	yes	no	
545	"										
546	"					8 00	increased	increased	no	B. of R. T.	no
547	"					8 00	"	"		"	"
548	"					10 00	"	"		"	"
549	"						neither	neither	yes		yes
550	"					8 00	"	"	no	no	
551	"						"	"	yes	"	
552	"					4 00			no	"	
553	"					8 00	increased	increased	yes	"	
554	"					8 00	"	"	"	B. of R. T.	yes
555	"					7 00	"	"	"	"	
556	"					6 00	neither			no	
557	"						increased	neither	no	"	
558	yes	no					neither		yes	"	
559	no						increased	inc. \$10 mo.		"	
560	yes	no					neither	neither		"	
561	"						increased	increased		"	
562	no					8 00				"	
563	"					9 00			no	"	
564	"						"			"	
565	yes	no						increased	yes	"	
566	"						neither	neither		"	
567	no									"	
568	yes	no				3 00	decreased	decreased		"	
569	no	500	7%	yes	contract		neither			"	
570	yes	no								"	
571	"	500	8%	yes	mortgage		decreased	decreased		B. A. A.	
572	"	no					neither	neither		no	
573	"	yes*					increased	increased	yes	"	
574	no					6 00	neither	neither		"	
575	yes	no					"	increased		"	
576	"	500	8%	yes	mortgage		"	increased		"	
577	no					15 00	"	increased		"	
578	yes	no						neither		"	
579	no					9 00	"			"	
580	"					10 00	increased	increased		"	
581	"					12 00	neither	increased		"	
582	yes	800	8%	yes	mortgage		increased	increased		"	
583	no									"	
584	"						neither	neither		"	

* Does not say what.

Railroad employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes		no			yes			none	arm injured	
"		"			no					
"	yes	"			yes					
"	"	"			no					
yes		yes			yes					
"		"			no					
yes	yes	no	yes	no	yes			none	none	
"	"	yes	no	"	"			"	"	
"	"	yes	yes	"	"			"	"	
"	"	"	no	"	"			"	"	
"		no			no					
"		"			"					
"		"			yes					
"	yes	"	no	no	"			none	none	
"	"	"	"	"	"			"	"	
"	"	"	"	"	"			"	"	
yes	yes	yes	yes	"	"			"	"	
"	"	"	no	"	"			"	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	no			none	none	
"	"	no	no	no	yes			"	"	{ Came to this country when a child.
"	yes	"	"	"	yes			"	"	
yes	no	no	yes		no			none	crushed coupling cars	
"	yes	no	no		yes			"	none	
"	no	"	"		no			"	"	{ Came to this country when young.
"	yes	"	"		no			"	"	
"	"	"	"		"			"	"	
"	"	yes	"		no			"	"	
"	no	no	no	no	yes			good	lost thumb	
"	yes	"	"	"	"			"	none	
"	no	"	no	"	"			none	"	
"	"	no	"	no	"			good	"	
"	no	yes	yes	"	"	yes	less	good	"	{ Came to U. S. when a child.
"	"	"	"	"	yes			"	"	
"	yes	"	no	"	no			bad	"	
"	"	"	"	"	no			none	"	
"	yes	"	no	yes	"		less	good	"	
"	"	"	yes	"	"			good	"	
"	no	no	no	yes	yes			bad	"	
"	yes	"	"	"	no	yes		"	"	
"	"	no	"	"	"			bad	"	
"	"	yes	no	"	"	no	less	good	"	
"	"	no	"	"	"			bad	"	
"	"	yes	"	"	"			none	"	
"	"	yes	"	"	yes			"	"	
"	"	no	"	"	no			bad	"	
"	"	"	"	"	"			good	"	
"	"	no	no	yes	no			"	"	

TABLE No. 1.—Continued from page 17.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
605	no					\$6 00	neither		yes	no	
606	"					10 00	increased	inc. 20%	no	"	
607	"						neither		yes	"	
608						15 00	increased	increased		"	
609	no						neither	decreased		"	
610							"			"	
611						15 00		neither		"	
612	no					13 00			yes	"	
613	"					20 00		neither		"	
614	yes	\$500	none	yes	contract		neither		"	"	
615	no					13 00		increased		"	
616	yes	800	7%	yes	mortgage			decreased		"	
617						15 00		neither		"	
618	no					15 00			yes	"	
619	yes	no					neither		yes	"	
620	yes						increased	increased		"	
621	no						neither		yes	"	
622	"						increased			"	
623	"					8 00	neither		"	"	
624	"							neither		"	
625							decreased	decreased		"	
626	yes	no					neither	neither	yes	"	
627	no						"			"	
628	yes	175	8%	yes	contract			neither	no	O. of R. T.	yes
629	no								yes	"	
630	"					10 58	decreased	decreased	no	"	
631	"					10 00	neither	neither	yes	"	
632	"					18 00				"	
633	"					13 00	neither	neither	no	"	
634	"					20 00			yes	"	
635										"	
636	yes	300	7%	yes	contract		increased	neither	no	"	
637	no						neither		yes	"	
638	"							decreased		"	
639	yes	yes*	5%	no	contract	7 00	increased		no	"	
640	no						neither			"	
641										"	
642	no					11 00	neither	increased	yes	no	
643	"						increased	inc. 33%	no	"	
644	"						neither	neither	yes	"	
645	yes	no					"		no	"	
646	no									"	
647	"					10 00			"	"	
648	"					11 25	increased	increased	"	"	
649	yes	550	6%	yes	mortgage		decreased	neither	yes	"	
650	no								no	"	
651	"									"	
652	"					8 00	neither		yes	no	
653	"									"	
654	"					6 00	increased	increased	"	"	
655							neither		"	"	
656	yes	yes*	7%		mortgage		increased	increased	"	"	
657	no									"	
658	"						neither	neither	yes	no	
659	"						increased	increased	no	"	
660	"					10 00	neither	neither	yes	"	
661	"									"	
662	"						"		no	"	
663	"					6 00			yes	"	
664	"						neither			"	
665	"					15 00	increased	increased	"	"	
666	"						neither	neither	"	"	
667	"						"			"	
668	yes	250	8%	yes	contract				no	"	
669	no					8 00			yes	"	
670	yes	no					increased	increased	no	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	yes	no			good	none	{ Worked six months in law office.
		yes	"	"	"			none	"	
		no	yes	yes	no	yes	same	good	"	
		yes	no	"	yes			good	"	
		yes	no	no	no	no	less	good	none	
		"	no	no	"	yes	less	none	"	
		yes	no	yes	yes			bad	"	
		yes	"	no	no			none	none	{ Left native land when a child.
		no	"	"	yes			bad	"	
		no	"	"	no			none	"	
		yes	"	"	no	yes	same	good	"	
no	no	no	"	"	"	yes	less	none	"	
		yes	"	"	yes	no		good	"	
		"	no	"	no			"	"	
		yes	no	"	yes	yes	same	bad	"	
		"	yes	"	no			good	none	
		yes	no	no	yes			good	"	
		yes	yes	"	no			good	"	
		no	"	"	yes			"	"	
		no		yes	no	yes	same	good	"	
		yes	no	yes	yes			bad	none	
		no	no	"	no			"	"	
		yes	no	yes	"			"	"	
		"	no	yes	"			"	"	
		no	"	"	no			good	none	{ Left native land when a child.
		no	no	no	no			good	none	
		yes	"	"	yes			bad	none	
		"	yes	no	yes			good	none	
		yes	no	no	"			good	none	
		"	yes	no	yes		same	good	none	
		no	"	no	no			bad	none	
		yes	no	yes	yes		same	good	none	
		yes	no	no	yes			bad	none	
		yes	no	no	yes			good	none	
		no	"	no	no			"	"	
		"	no	no	yes		less	good	none	
		"	"	"	yes			"	"	
		"	"	"	no			"	"	
		"	"	"	yes			"	"	

TABLE No. 1.—Continued from page 19.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
671	no					\$10 00	neither		no	no	
672	"					9 00			"	"	
673	"					8 00	increased	increased	"	"	
674	"					10 00			yes	"	
675	"						neither	neither	no	"	
676	"								"	"	
677	yes	\$400	none				increased	increased	yes	"	
678	"	850	7%	yes	contract				"	"	
679	no					10 00	"	"	"	"	
680	yes	250	6%	yes	mortgage		"	"	"	"	
681	no					10 00	"	"	"	"	
682	"					8 00	"		no	"	
683	"					9 00	neither	neither	"	"	
684	no								"	"	
685	"								"	"	
686	"					8 00	increased	increased	no	B. of R. T.	no
687	"					9 00	"	"	"	"	
688	no					5 00	"	"	yes	no	
689	yes	350	7%	yes	contract		"	inc. 5%	no	"	
690	no							increased	yes	"	
691	"	no					neither	neither	"	"	
692	"	"						increased	"	"	
693	no					8 00	increased		"	"	
694	"					5 00	neither		"	"	
695	"					10 00	increased	increased	"	"	
696	yes	no					neither	neither	"	"	
697	"	"					increased	increased	no	"	
698	"	"					"	inc. 5%	"	"	
699	no					6 00	"	5%	"	"	
700	yes	no					neither	neither	yes	"	
701	no								"	"	
702	yes	no					neither		yes	no	
703	no					10 00			no	"	
704	"					10 00			"	"	
705	"					5 00	increased	increased	"	no	
706	"					11 00		inc. 38%	yes	"	
707	yes	300			mortgage		"	increased	"	"	
708	no						"		"	"	
709	"	75	8%	yes	mortgage		"		"	"	
710	"	500	7%	"	"		neither		"	"	
711	"	500	8%	"	contract		increased		"	"	
712	no					4 00		increased	no	"	
713	yes	75	7%	yes	contract		neither	neither	yes	"	
714	no					6 00	increased	increased	no	"	
740	yes	no					"		yes	"	
741	"	"					"		"	"	
742	"	"					"		"	"	
743	"	"					"		"	"	
744	"	"					"		"	"	
745	no						neither	neither	"	"	
746	yes	no					increased	increased	"	"	
747	"						neither	neither	"	"	
748	"	200	7%	yes	mortgage		increased	inc. 5%	yes	"	
749	no						"	increased	"	"	
750	no						neither	neither	"	"	
751	yes	no					increased	increased	no	"	
752	"	"					"		yes	"	
753	"	"					"		no	"	
754	"	"					"		yes	"	
755	no					1 70	"		no	"	
756	yes	no					"		yes	"	
757	no	yes*					neither		"	"	
758	no					9 00	increased		no	I. A. of A. M.	yes
759	yes	no					decreased	decreased	yes	no	
760	"									I. A. of A. M.	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money there than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	yes					good	broken foot	
		yes	no	no	no			"	none	
		no	"	yes	yes	yes	same	none	"	
		yes	no	no	no		same	"	"	
		no	"	"	"			bad	"	
		yes	"	"	no			none	"	
		no	"	no	yes			"	"	
		yes	"	"	no			good	"	
		no	"	no	no			none	"	
yes	yes	yes	"	"	yes			"	"	
		no	"	yes	"			good	"	
		yes	"	no	yes			none	"	
		no	yes	no	"			"	"	
		yes	"	no	yes			"	{ pinched head and	
		no	yes	no	"			"	sprained elbow	
		yes	no	"	no	yes		"	none	
		no	"	"	"			"	"	
		yes	"	no	"			good	"	
		no	"	"	no	yes		none	"	
		"	"	"	yes			bad	"	
		"	"	"	yes			none	"	
		yes	no	no					none	
		no	no	yes	yes			bad	none	
		yes	"	no	"			good	"	
		no	"	no	"			none	"	
		yes	yes	yes	"	yes	less	bad	injured hand	
		no	no	no	no	no	same	none	none	
		yes	"	"	"	yes	same	good	"	
		no	no	"	yes	no	"	none	loss of one finger	
		yes	"	"	"	"	"	good	none	
		"	"	"	"	"	"	none	"	
		"	no	"	"	"	"	"	"	
		"	yes	no	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	no	"	"	"	"	"	"	
		"	yes	"	no	yes	less	good	"	
		"	no	no	yes	"	"	good	"	
		"	"	"	"	"	"	none	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	no	"	no	"	"	"	"	
		"	"	yes	no	no	same	good	"	
no	yes	"	"	"	no	yes	less	bad	none	
no	yes	yes	no	no	yes			good	"	

TABLE No. 1.—Continued from page 21.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
767	yes	yes*					increased	increased	yes	no	
768							neither		yes	"	
769							increased	increased	"	"	
770	yes	no							"	"	
771	"	"							"	"	
772	"	"							"	"	
773	"	"					increased	inc. 10%			
774								increased	no	no	
775	no					\$5 00	"		"	"	
776									"	"	
777	"					6 00	increased	increased		"	
778	yes	no					neither	neither		"	
779	no					10 00				I. A. of A. M.	yes
780							increased	increased	no	"	
781	yes	500		yes	contract		"		yes	"	
782							neither	neither		"	
783	"	no					increased	increased	yes	"	
784										yes*	
785										B. of L. E.	yes
786	yes									I. A. of A. M.	no
787										no	
788	no					10 00	increased	increased		"	
789										"	
790	yes						increased	increased	yes	"	
791		no					decreased	decreased	"	"	
792	no					8 00	increased	increased	"	"	
793	yes	no					neither	neither		"	
794									no	"	
795	yes						increased	increased	"	"	
796							neither	neither	"	"	
797	no					6 00	"		"	"	
798						15 00	increased		"	"	
799	yes	yes*	7%		mortgage		neither		"	"	
800		no							"	"	
801	no	700	7%	yes	contract		increased	increased	yes	Boilermakers' Union	no
802							"		no	"	
803						8 00	neither		"	"	
804	"					11 00	increased	inc. \$4 mo.	"	"	
805	"					8 00	neither		yes	no	
806								neither	yes	"	
807	yes	500	7%	yes	contract		"		no	"	
808		no					"		"	"	
809	"	200	7%	yes	mortgage				yes	"	
810	"	no								no	
811	no					6 00	increased	increased	"	"	
812	yes	no							"	"	
813	no					8 00	neither	neither	"	"	
814						8 00	increased	increased	no	"	
815	yes	200	7%	yes	mortgage		"		yes	"	
816	no					8 00	"		no	no	
817	"	no							"	"	
818							increased	neither		"	
819	yes	no					"	increased	yes	"	
820							neither	neither	"	no	
821	"	100	7%	no	contract		increased	increased	no	"	
842	no					8 00			yes	"	
843						15 00	neither	neither		"	
844	yes	no					increased	increased	yes	"	
845	no					10 00	neither	neither	no	"	
846	yes	yes*	7%		contract		increased	increased	yes	"	
846a	"	no					neither	neither	yes	B. of R. T.	yes
846b	"								"	"	
846c	no					13 00	neither	neither	"	"	
846d	"					10 00	increased	inc. 5%	no	"	
846e	yes	yes*	8%	yes	mortgage		"	increased	yes	"	
846f	no					10 00	"		no	no	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	yes	no			good	none	
		"	yes	"	yes			none	"	
		no	no	"	no			"	"	
		yes	"	yes	yes			good	"	Been in Am. 25 years.
		yes	no	yes	yes			"	"	
		"	"	no	"			"	"	
		"	"	yes	"			"	"	
		"	"	no	"			"	"	
no	yes	"	yes	yes	"			"	"	
		"	no	"	no			"	hand crushed	
		"	yes	yes	yes			"	none	
		"	yes	no	no			"	finger crushed	
yes	yes	"	no	yes	yes			"	none	
no	"	"	"	yes	"			"	"	
		no	"	"	"			"	back injured	
		yes	"	"	"			"	none	
		"	"	yes	"			none	none	
		no	"	"	yes			good	"	
		"	no	"	yes			"	"	
		yes	yes	yes	no			none	"	
		"	yes	yes	no			"	"	
no	yes	"	no	yes	yes	yes	more	none	none	Been in Am. 23 years.
		yes	no	no	no			none	loss of two fingers	
		"	no	"	yes			good	none	
		"	yes	"	yes			bad	none	
		yes	no	"	no			none	"	
		"	"	"	"			"	"	
		no	"	"	yes			"	"	
		yes	no	"	"			bad	"	
		"	no	"	no	no		"	"	{ Been here too long to give foreign wages.
		no	"	no	yes			good	none	
		yes	"	no	no	yes	same	none	"	
		"	"	"	yes	"		good	"	{ Came to Am. when a child.
		"	"	"	no	"		none	"	
		no	no	"	"	"		"	"	
		yes	no	"	yes	"		"	leg broken	
yes	yes	"	no	no	"	yes	same	good	loss of one hand	
		"	yes	no	yes	"		none	none	
		"	"	no	no	no	same	"	"	
		"	"	no	yes			good	crushed foot	
								good	hand crushed and lost thumb.	

TABLE No. 1.—Continued from page 23.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8461	no					\$8 00	neither	neither	no		
847	no					7 00	neither	neither	yes		
848	yes	no					increased	increased	no		
849	no						neither	neither	no		
850	yes	no					increased	increased	no		
851	"								yes		
852	"								no		
853	no					4 00	increased	increased	yes		
854	yes	\$100	6%	yes	contract				no		
855	no								no		
856	no				contract	8 00			"		
857	yes	yes*			contract				"		
858	no	no					inc. 25%	increased	yes		
859	no						neither	neither	no		
860	yes	200	8%	yes	mortgage				no		
861	no					8 00	increased		yes		
862	yes	no					neither		"		
863	yes						increased	increased	"		
864	no						neither	neither	no		
870									yes		
871									"		
872	yes	no							"		
873							increased	increased	no		
874	no					3 50			"		
875	yes	no							"		
876	no					8 00			"		
877	yes	100	7%	yes	contract			inc. 25%	yes		
878	no					5 00	neither	increased	no		
879	yes	no				10 00			"		
880					mortgage		increased	increased	yes		
881	"	no							"		
882						8 00	neither	neither	"		
883	yes	no						inc. 5%	"		
884		450	7%	yes	contract		increased		"	B. of L. F.	no
893						18 00	neither	neither		no	
896						12 00				"	
897	yes	500	7%		mortgage				yes	"	
898		240	7%		contract				"	"	
899	"	no							no	"	
900									"	"	
901	yes	no							no	"	
902									yes	"	
904	no					18 00	increased		no	"	
904	yes	no					neither		yes	"	
905	no							increased	"	S. M. A. A.	yes
906	yes	no							no	no	
907	no					3 00	increased		no	"	
908									yes	"	
909	"								no	"	
910	yes	300	8%	yes	mortgage				yes	"	
911	no								"	"	
912						8 00		neither	no	"	
913	"						neither		"	"	
914	yes	390	8%	yes	mortgage		increased	neither	"	"	
915									"	"	
916	no						increased	neither	yes	"	
917	yes	275	8%	yes	mortgage		neither		no	"	
918		no							yes	"	
919	"	700	7%	yes	mortgage		increased	neither	"	"	
920	"	no						decrease	"	"	
921	"	yes*						increased	"	"	
927	no								no	"	
938	yes	no					neither		yes	I. A. of A. M.	yes
939									"	no	
940	no						increased	increased	"	"	
941	yes	300	8%	yes	mortgage		neither	neither	no	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no		no	yes	same	none	fingers smashed	
		no	"		yes	"	"	"	fingers pinched	
		yes	no		no	yes	more	good	none	
		"	yes		yes	"	"	good	"	
		no	no		"	yes	same	none	"	
		yes	yes		"	"	"	good	"	
		no	no		"	"	"	"	"	
		yes	"		no	"	"	none	none	
		no	"		yes	"	"	good	"	
		yes	"		no	yes	"	bad	"	
		no	"		no	yes	less	good	"	
		"	"		yes	"	more	"	finger smashed	
		"	"		yes	"	"	none	none	
		"	no		no	yes	less	"	lost hand	
		yes	"		no	"	"	"	none	
		no	"		yes	"	"	"	"	
		yes	"		no	"	"	"	"	
		no	"		yes	"	"	good	"	
		"	"		"	"	"	"	"	
		no	"		no	"	"	none	"	
		yes	no		no	yes	less	"	"	
		no	no		yes	"	"	good	"	
		no	no		yes	"	"	none	"	
		yes	no		no	yes	less	good	"	
		"	"		"	"	"	none	"	
yes	yes	yes	no		no	"	"	good	"	
		yes	no		yes	"	"	bad	"	
		no	no		no	"	"	none	"	
		yes	no		yes	"	"	"	"	
		no	"		"	"	"	"	"	
		yes	no		yes	"	"	"	Leg scalded and *	
		"	no		no	"	"	good	none	
		"	no		yes	"	"	fair	"	
		"	"		yes	"	"	none	"	
yes	yes	no	no		no	"	"	"	ribs crushed	
		yes	"		"	"	"	"	none	
		no	"		"	no	less	bad	"	
		"	"		yes	yes	less	none	arm broken	
		"	"		no	"	same	good	none	
		yes	yes		no	yes	"	none	smashed foot	
		no	no		yes	"	"	"	none	
		yes	yes		no	"	"	"	"	
		no	no		yes	"	"	bad	smashed foot	
		"	"		no	yes	less	"	none	
		"	"		"	"	"	none	"	
		"	"		yes	no	"	good	ruptured	
		yes	yes		no	"	"	none	none	
		no	"		yes	"	"	good	"	
		"	"		no	no	less	none	"	
yes	yes	"	"		yes	"	"	"	arm broken	
		yes	"		"	yes	less	good	none	
		no	"		"	no	same	none	"	
		yes	"		no	"	"	"	"	

* fingers jammed.

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	yes			none		
		no	"	"	"	yes	less	bad	none	Work by hour.
		"	"	"	"	no	"	"	rupture	"
		"	"	"	"	"	"	none	none	"
		"	"	"	no	no	less	"	"	"
		"	"	"	yes	yes	"	"	"	"
		"	"	"	"	"	same	"	broken leg	"
		"	"	"	no	"	less	good	none	"
		"	"	"	yes	"	"	bad	"	"
		yes	"	"	"	yes	less	good	"	"
		no	"	"	"	no	"	bad	"	"
		yes	"	"	"	yes	"	good	"	"
		no	"	"	"	yes	"	bad	"	"
		yes	"	"	"	"	"	none	"	"
		no	"	"	no	"	"	"	"	{ Came to America
		yes	"	"	yes	yes	same	"	"	when a child.
		no	"	"	"	"	"	"	"	"
		yes	yes	"	"	yes	same	"	"	{ Came to America
		no	no	"	no	yes	same	"	"	when a child.
		yes	yes	"	yes	"	"	"	"	"
		yes	no	no	no	yes	less	good	lost three fingers	"
		yes	yes	"	yes	"	"	none	wrist injured	"
		"	"	"	"	yes	same	good	none	"
		no	no	"	no	"	less	good	"	"
		yes	yes	"	"	"	same	good	"	"
		no	no	yes	yes	"	"	none	toe injured	"
		"	no	no	yes	yes	same	"	none	"
		"	yes	"	yes	yes	"	good	"	"
		yes	no	"	"	"	"	none	"	"
		yes	yes	"	"	"	"	none	"	{ Came to Am. young.
		no	no	"	yes	"	"	"	"	"
		yes	"	no	yes	yes	"	good	"	"
		"	"	"	no	yes	same	good	"	"
		no	"	"	yes	"	"	none	"	"
		yes	yes	"	yes	yes	same	"	arm injured	{ Came to America
		no	no	"	no	"	less	"	none	when a child.
		no	"	"	yes	"	same	"	"	"
		"	no	"	no	"	"	"	"	"
		yes	yes	"	no	"	"	good	foot smashed	"
		"	no	no	yes	no	same	none	none	"
		"	yes	"	no	yes	"	good	"	"
		"	"	"	yes	"	same	good	"	"
		no	"	"	yes	"	"	none	"	"
		yes	no	no	yes	"	"	"	none	"
		no	no	no	no	"	"	"	leg broken	"
		"	"	"	yes	"	"	"	none	"
		"	no	"	"	"	"	"	"	"
		yes	no	no	"	"	"	good	"	"
		yes	yes	yes	no	no	same	"	"	"
		"	no	"	"	no	"	"	"	"
		no	yes	"	"	no	"	good	none	"
		"	"	"	"	yes	less	"	"	"
		"	"	"	no	"	same	"	"	"
		"	"	"	"	"	"	"	"	"

TABLE No. 1.—Continued from page 27.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1019	no						neither		yes	no	
1020	no					\$6 00	increased	increased	no	"	
1021	yes	no							no	"	
1022	yes	\$250	7%	yes	mortgage		increased	increased	"	"	
1023	no	no							"	"	
1024	no					5 00	"	"	yes	"	
1050	no						"	"	"	"	
1051	no						neither	neither	"	"	
1052	no								"	"	
1053	yes	no				9 00	neither	"	"	"	
1054	yes						increased	increased	no	"	
1055	no								yes	"	
1056	yes	340	8%	yes	mortgage		neither	"	yes	"	
1057	yes	400	8%	yes	mortgage		"	neither	yes	"	
1058	no	280	8%		contract				"	"	
1059	yes	no					increased		yes	"	
1060	yes	no						increased	no	"	
1061	no								"	"	
1062	yes	no					neither	neither	no	"	
1063	yes	no					increased	increased	"	"	
1064	no								"	"	
1065	yes	200	8%	yes	mortgage		"	"	yes	"	
1066	yes	300	7%				"	"	"	"	
1067	no	no				5 00	"	"	"	"	
1068	yes	no					"	"	"	"	
1069	yes	400	7%	yes	mortgage		"	"	"	"	
1070	no	150	7%	yes	contract		"	"	no	"	
1071	yes	400	7%			4 00	"	"	yes	"	
1072	no	no					"	"	no	"	
1073	yes	no				2 00	"	"	"	"	
1074	yes	no				6 00	"	"	"	"	
1075	no								"	"	
1076	yes	no							"	"	
1077	no								"	"	
1078	yes	no							"	"	
1079	no								"	"	
1080	yes	no							"	"	
1081	yes	no							"	"	
1082	no								"	"	
1083	no								"	"	
1084	no					2 75	increased	increased	no	no	
1085	no						neither		"	"	
1086	no						increased	increased	"	"	
1087	no								"	"	
1088	yes								"	"	
1089	no								"	"	
1090	no						neither	neither	yes	no	
1106	no					10 00	increased	increased	"	"	
1107	no					6 00	"	inc. 5%	no	"	
1108	no					6 00	neither		"	"	
1109	yes	600	7%	yes	contract		increased	increased	yes	"	
1110	no						neither		"	"	
1111	no								"	"	
1112	no					10 00	increased		no	"	
1113	yes	225	7%	yes	contract		"		yes	"	
1114	no						neither	neither	no	"	
1115	no								"	"	
1116	no								"	"	
1117	no								"	"	
1118	yes	225	7%	yes	mortgage		neither	neither	no	"	
1119	no	no					increased	increased	yes	"	
1120	no					10 00	neither		no	"	
1121	no								"	"	
1122	yes	no					increased	increased	yes	no	
1123	no								no	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	yes	yes	same	good	none	
		"	"	no	no	yes	same	none	"	
		yes	"	"	no	no	"	"	finger crushed	
		no	"	no	yes	"	"	"	none	
		"	"	"	"	"	"	"	"	
		"	no	"	"	no	same	"	"	
		"	"	"	no	yes	"	"	"	
		ye	"	"	yes	"	less	"	"	
		no	"	"	no	yes	same	fair	broke leg	
		"	"	"	yes	"	less	good	none	
		"	no	"	no	"	same	good	"	
		"	"	"	no	"	"	good	"	
		"	"	"	yes	no	"	none	"	
		"	"	"	yes	yes	"	good	"	Work by the hour.
		yes	"	no	yes	"	"	none	"	
		no	"	no	no	"	"	"	"	
		yes	"	no	"	"	"	"	"	
		"	"	"	"	"	"	"	scalded	
		"	no	"	y	"	"	"	none	
		no	"	no	no	"	"	"	"	
		"	"	no	ye	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	no	"	"	"	"	broke leg	
		no	"	"	"	"	"	"	none	
		yes	"	"	"	"	"	"	"	
		no	"	"	no	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	yes	"	"	"	"	
yes	yes	"	no	"	"	"	"	"	"	
		yes	"	"	"	"	"	good	"	
		"	"	"	"	"	"	"	"	
		"	no	no	yes	"	"	bad	struck with a pick	
		"	no	no	no	"	"	good	none	
		no	no	no	yes	yes	same	"	foot smashed and finger broken.	
		yes	yes	no	yes	no	"	"	none	
		"	"	"	"	"	"	"	"	Board in add. to salary.
		yes	yes	"	no	yes	"	none	"	
		no	"	"	no	yes	"	"	"	
		"	"	"	no	"	"	"	"	{ Came to America when a child.
		"	"	"	no	yes	same	"	"	
		yes	no	no	"	"	"	good	"	
		no	"	"	"	yes	same	none	"	
		"	"	"	"	yes	same	good	"	
		yes	yes	no	yes	"	less	none	"	
		no	"	"	"	"	"	bad	"	{ Came to this country when a child.
		yes	"	"	"	"	"	none	"	
		"	yes	no	"	"	"	"	finger pinched	
		"	"	"	"	"	"	bad	none	
		"	"	"	no	"	"	good	"	
		"	"	"	yes	"	"	none	"	
		"	"	no	"	"	"	fair	"	Board in add. to salary.
		"	"	"	"	"	"	good	"	
		yes	no	"	yes	"	"	none	"	
		"	"	"	"	"	"	good	"	Board in add. to salary.

TABLE No. 1.—Continued from page 29.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1125	no								no		
1126	yes	no				\$10 00				no	
1127	..	1,500	6%	yes	contract		neither		yes		
1128	..	no					..	neither	..		
1129	no										
1130	yes	no					increased	neither			
1131	..	300	6%	yes	mortgage		neither		no		
1132	..	no					increased	increased	yes		
1133	..	no					neither		..		
1134	no										
1135	..					8 00	increased	increased			
1136	yes	no						inc. 10%	yes		
1137	no					25 00	neither				
1138	..					10 00	increased	increased	..		
1140	..					6 00	decreased	decreased	..		
1141	yes	500			mortgage		neither		..	O. of R. C.	
1143	no					12 00	increased	neither	..		yes
1143	..					12 00	..	..	..		..
1144	yes	no							..		..
1145	..						neither				
1146	no						..		yes	no	
1147	yes	no					increased	increased	..		
1148	..	..					neither	neither	..	O. of R. C.	no
1149	..						..	..	..	no	
1150	no					10 00	..	..	..	B. of R. T.	yes
1151	..					12 00	..	..	..	O. of R. C.	yes
1152	..						..	decreased	..	yes*	
1153	..					12 00	increased	neither	..	O. of R. C.	yes
1154	..					6 50	..	..	..
1155	..					8 00	neither	..	..	B. of R. T.	yes
1156	..					7 50	..	..	..	O. of R. C.	yes
1157	..						increased	increased	no		
1158	yes	no							yes	no	
1159	..								..	..
1160	..					10 00	neither		..	..
1161	no					10 00	..	neither	no		
1162	..					8 00	..	..	yes	B. of R. T.	yes
1163	..					10 00	..	..	..	O. of R. C.	..
1164	..					10 00	increased	increased	..	no	
1165	yes	600	7%	yes	contract		neither	increased	..	..
1181	..						neither	neither	no	B. of L. E.	no
1182	yes	no					..	..	yes	no	
1183	no								..	B. of L. E.	no
1184	..					5 00	neither	increased	..	..	yes
1185	no						..	..	..	..
1186	yes	600	8%	yes	mortgage			increased	..	..
1187	no					10 00	increased	..	..	..
1188	yes	no					..	..	..	..
1189	no					20 00	..	..	..	..
1190	..					16 00	neither	neither	..	no	
1191	..								..	B. of L. E.	
1192	..					10 00	..	..	yes*	yes*	
1193	..						neither		yes	B. of L. F.	yes
1194	yes	no					..	increased	..	no	
1195	no					10 00	..	..	..	B. of L. E.	yes
1196	..					12 00	increased	..	..	no	
1197	yes	no					neither	decreased	..	B. of L. E.	yes
1198	no								..	..
1199	..						neither		yes	B. of L. F.	
1200	..								..	..
1201	..						..	..	no	B. of L. E.	no
1202	..					10 00	..	..	..	..
1203	..					8 83	..	..	..	B. of L. E.	yes
1204	yes	no					..	..	yes	no	
1205	no								..	B. of L. E.	yes

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
								good	none	board in add. to salary
		no	no	no	no			none	none	" " " " "
		yes			no			"	"	"
		yes	yes		yes			bad	"	"
		no	no		no			none	"	"
		yes	yes	no	yes		less	less	toe fractured	"
		"	"	no	"			good	loss of fingers	"
		"	"	"	yes			none	none	"
		no	"	no	no	yes	less	bad	sprained knee	"
yes	yes	yes	yes	no	"			good	none	"
"	"	no	"	"	yes			bad	"	"
"	yes	"	"	"	"			bad	"	"
"	"	yes	"	yes	"			none	"	"
"	"	no	"	no	"			none	lost toes	"
"	"	yes	yes	"	no			"	none	"
yes	yes	"	"	yes	no			good	"	"
"	"	"	"	"	yes			"	"	"
yes	yes	no	no	no	yes			bad	lost one finger	"
"	"	"	"	yes	"			"	none	"
yes	yes	no	no	no	yes			"	"	"
yes	yes	yes	yes	"	"			"	hand smashed	"
yes	yes	no	no	"	"			"	lost two fingers	"
yes	no	yes	yes	"	no			good	none	"
"	"	"	"	"	no			"	"	"
"	"	no	no	"	"			"	"	"
"	"	no	no	"	yes			bad	"	"
yes	no	"	"	"	no			good	dislocated shoulder	"
"	"	"	"	"	yes			bad	none	"
"	"	yes	yes	yes	"			good	knee stiffened	"
no	yes	no	no	"	no			"	none	"
"	"	"	"	"	"			"	"	"
yes	yes	no	no	yes	"			"	"	"
"	"	yes	no	"	yes			none	"	"
"	"	no	yes	"	no			good	"	"
"	no	no	no	"	"			none	"	"
"	"	"	"	"	"			bad	injured in collision	"
"	"	"	"	"	"			good	collision	"
yes		yes	"	"	yes			bad	none	"
"	"	"	"	"	"			"	"	"
yes	no	yes	no		no			none	"	"
yes	yes	yes	yes	yes	yes			"	"	"
yes	yes	"	"	"	"			bad	"	"
yes	yes	"	yes	"	"			"	"	"
yes	yes	"	yes	"	"			"	"	"
yes	no	no	no	"	no			good	"	"
yes	yes	"	yes	yes	"			"	"	"
no	yes	no	no	yes	no			good	"	"
yes	no	no	no	yes	yes			bad	dislocated ankle	"
yes	no	"	"	"	"			none	none	"
yes	yes	no	yes	"	no			bad	dislocated hip in col.	"

TABLE No. 1.—Continued from page 31.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1206	no						neither	neither	yes	no	
1207	yes	no					"	increased	"	B. of L. E.	yes
1208	no						"	neither	"	B. of L. F.	"
1209	"						"	"	"	"	
1210	"						"	"	"	no	
1211	"						"	neither	no	B. of L. F.	yes
1212	"						"	"	yes	B. of L. F.	
1213	"						"	"	"	no	
1214	"					\$5 00	increased	increased	"	"	
1215	"					7 00	neither	increased	"	"	
1216	"						inc. \$20 mo.	"	"	"	
1217	"						neither	"	"	no	
1218	"						"	neither	no	"	
1219	"						"	"	yes	"	
1220	no					10 00	"	"	yes	B. of L. F.	yes
1221	"					7 00	"	"	"	no	
1222	no						"	neither	"	B. of L. F.	yes
1223	"						"	"	"	"	
1224	"						"	"	"	"	
1225	"						"	"	"	"	
1226	"						"	"	"	"	
1227	"						"	"	"	"	
1228	"						"	"	"	"	
1229	"						"	"	"	"	
1230	no					10 00	"	"	yes	B. of L. F.	yes
1231	"					7 00	"	"	"	no	
1232	no						"	neither	"	B. of L. F.	yes
1233	"						"	"	"	"	
1234	"						increased	increased	"	"	
1235	"						neither	neither	no	"	
1236	no						"	"	yes	"	
1237	"						increased	"	no	B. of L. F.	
1238	"						"	"	yes	no	
1239	no						neither	"	"	"	
1240	"						"	"	yes	"	
1241	"					2 50	increased	"	no	"	
1242	"						neither	"	yes	B. of L. F.	yes
1243	"						"	"	no	"	
1244	no					11 00	"	neither	no	B. of L. F.	yes
1245	"						"	"	yes	no	
1246	"						"	neither	no	"	
1247	no						increased	"	yes	"	
1248	"					8 00	neither	"	no	"	
1249	"						increased	"	yes	"	
1250	no						neither	"	yes	"	
1251	"						"	"	no	"	
1252	"						increased	increased	yes	"	
1253	"						neither	"	no	"	
1254	no						"	"	"	"	
1255	yes	no					"	neither	"	B. of R. T.	yes
1256	no						"	"	yes	O. of R. T.	"
1257	"						"	"	"	no	
1258	"						"	"	"	B. of R. T.	yes
1259	"						"	"	"	"	
1260	"					8 50	"	"	"	B. of R. T.	yes
1261	yes	no					"	increased	"	"	
1262	no					7 00	"	neither	no	"	
1263	"						"	"	yes	"	
1264	"					6 00	"	increased	"	"	
1265	yes						"	"	no	O. of R. C.	no
1266	no						"	"	yes	O. of R. T.	"
1267	"						"	"	"	no	
1268	yes	\$300	8%	yes	mortgage		"	neither	"	"	
1269	no					7 00	"	increased	"	B. of R. T.	yes
1270	"					6 00	"	"	"	"	
1271	"					10 00	increased	"	no	B. of R. T.	yes
1272	"					5 00	neither	"	yes	no	
1273	"						"	neither	"	"	
1274	yes	no				9 00	"	"	no	B. of R. T.	yes
1275	no					6 00	"	"	yes	"	
1276	"					5 00	increased	"	no	"	
1277	"						neither	"	yes	"	
1278	"						"	"	no	"	
1279	"						"	"	"	"	

Railway employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	yes	no	no			bad		
"	"	no	no	yes	yes			good	none	
yes	no	no	yes	no	no			good	broken leg	
		"	no	"	yes			none	none	
		"	no	"	no			good	"	
		"	"	"	yes			"	"	
				"	no			"	broken thumb and *	
				"	yes			"	none	
				no	yes	yes		none	"	
		yes	yes	yes	no			good	"	
		no	no	"	"		same	"	"	
yes	yes	no	no	no	yes			bad	"	
yes	yes	no	yes	"	no			good	"	
"	"	"	no	"	yes			bad	"	
			"	yes	"			fair	strained hip	
		yes	no	"	"			good	"	
yes	no	no	yes	no	yes	yes	less	"	none	
		"	no	"	"			"	"	
		yes	yes	"	yes			none	"	
yes	yes	no	no	"	"			"	"	
yes	yes	no	no	"	yes			none	none	Worked about 325 days
		"	"	"	no			good	"	
		yes	"	"	yes			bad	"	
		no	"	"	"			good	"	
		yes	"	"	"			"	"	
		yes	yes	"	"			"	"	
		no	yes	"	no	same		none	"	
		yes	yes	"	yes			bad	crushed finger	
		no	no	no	"			"	none	
yes	yes	yes	"	"	"			"	sprained wrist	
		yes	"	"	"			none	none	
yes	no	no	no	"	"			"	"	
yes	no	"	"	"	"			good	"	
		yes	"	"	"	no	same	none	crushed hand	
		no	"	"	"			bad	none	
		"	"	"	no			none	"	
yes	yes	yes	yes	yes	yes			good	"	
		"	"	"	no			"	"	
		"	yes	"	yes			"	broken leg	
yes		no	yes	no	yes	yes		"	lost thumb and finger	
yes	yes	yes	no	"	no			bad	none	
		yes	yes	"	yes			"	crushed arm	
		yes	no	"	"			"	injured by fall, etc.	
		yes	yes	"	"			"	none	
yes	yes	yes	no	"	"			"	crushed fingers	
		"	"	"	"			"	loss of one finger	
		"	"	"	"			"	none	
		no	no	no	yes			none	pinched hand	
		yes	"	"	"			"	none	
		no	no	"	"			bad	"	
		"	"	"	"			none	"	

* pinched arm.

TABLE No. 1.—Continued from page 33.—

Lane number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1280	no					\$5 00	neither		no	no	
1281							increased	increased	yes		
1282	yes	no					neither				
1283		\$500	8%	yes	contract		increased				
1284	no						neither	neither			
1285											
1286	yes	no									
1287	no					20 00	increased	inc. \$5 mo.			
1288						6 00	neither	neither			
1289	yes	300	8%	yes	mortgage		increased	inc. 10%		O. of R. T.	yes
1290		no					neither	increased		no	
1291		300	8%	yes	mortgage		decreased	decreased			
1292	no					none	neither	neither			
1293									no	O. of R. T.	no
1294	yes	no					increased		yes	no	
1295	no					12 50		decreased		R. A. A.	
1296	yes	no						increased		O. of R. T.	yes
1297	no					5 00				no	
1298						3 50	neither		yes		
1299	yes	350	7%	yes	mortgage	4 25		neither			
1300	no					2 50					
1301						7 00			no	O. of R. T.	
1302						5 00		neither	yes	no	
1303											
1304	yes	2,000	6%	yes	mortgage	8 00	increased	increased			
1305	no					5 00	neither	neither	no		
1306	yes	300	6%	yes	mortgage				yes		
1307		no									
1308	no					6 00	increased	increased		O. of R. T.	yes
1309	yes	100	8%	yes	mortgage		neither	neither		no	
1320	no						inc. \$18 mo.	increased	no	O. of R. T.	no
1321							neither	neither	yes		yes
1322						5 00				no	
1323						8 00					
1324								neither			
1325								increased		O. of R. T.	yes
1326							neither	increased	no		
1327								neither			
1328									yes	O. of R. T.	yes
1329										no	
1330									yes	O. of R. T.	yes
1331									no		
1332						5 00			yes	no	
1333									no		
1334	no					10 00	neither	neither	yes		
1335						3 00					
1336											
1337											
1338							neither	neither			
1339						10 00	increased	increased			
1340							neither				
1341						15 00					
1342								neither			
1343									no		
1344						10 00			yes		
1345						8 00		neither			
1346						8 00					
1347									yes		
1348											
1349	no					10 00	neither	neither	no		
1350											
1351						6 00	neither	neither	no		
1352											
1353	no					10 00	neither		yes		
1354											
1355						12 50	increased	increased	yes		

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Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	yes	no	yes			good	none	
		yes		no	no	yes	less	"	"	
		no	yes	no	"			good	none	
		yes	"	"	yes			good	three fingers smashed	Employed elsewhere 8 months.
		"	"	"	no			"	none	
no	yes	"	no	yes	no			none	"	
		"	yes	no	yes		less	"	"	
yes	yes	no	no	no	no	yes	less	good	"	
no	no	"	"	"	"			"	"	
yes	yes	"	"	yes	no			"	"	
		no	no	no	"			bad	"	Commission from ticket sales.
		"	"	yes	"			good	"	
	yes	"	"	no	"			bad	"	
		yes	no	no	yes			bad	"	
		yes	yes	"	no			good	leg and foot injured *	5% com. in ad. to sal'ry
		no	yes	"	"			none	sprained ankle	Owens three houses elsewhere.
		no	no	"	no			none	none	
no	no	yes	no	"	"			good	"	Income from small business.
		yes	"	"	yes			fair	"	
no	no	no	no	yes	no			good	"	
		"	"	yes	"			none	lost a toe	
		"	"	"	"			good	none	
no	no	"	"	yes	no	no		none	"	
		"	"	yes	no			"	"	
yes	yes	no	yes	yes	"			good	"	
		yes	no	"	"			fair	sprained ankle	
no	no	"	no	yes	yes			none	none	
		"	"	"	"			good	"	
		yes	no	no	yes			"	"	
		yes	"	yes	no			"	"	
		yes	no	no	no			good	none	
		yes	no	"	no			"	"	
		yes	no	"	yes			none	"	
		"	"	"	"			good	"	
		no	no	"	"			"	"	
		yes	yes	"	no	yes	less	"	"	
		"	"	no	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			none	"	
		"	"	no	no			good	none	
		no	"	"	"			good	"	

* while coupling cars.

TABLE No. 1.—Continued from page 35.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1256	no						neither	neither	yes	no	
1257	yes	\$800	7%	yes	contract		"	"	"	"	
1258						\$7 50	"	"	"	"	
1259						7 00	"	"	"	"	
1260							"	"	"	"	
1261						7 00	"	"	"	"	
1262						20 00	"	"	"	"	
1263	no								yes	"	
1264	"								no	"	
1265										"	
1266	no					5 00	neither		no	yes*	
1267	"						"		"	no	
1268	"						"	neither	yes	"	
1269	"						"	increased	"	"	
1270								neither	"	"	
1271	no					10 00	neither		yes	"	
1272	"					6 00	"	neither	"	"	
1273	yes	174	none	yes	mortgage		"	increased	"	"	
1274	no							neither	no	"	
1275	"							neither	yes	"	
1276	yes	no					"	neither	no	"	
1277	no								yes	"	
1278	yes	300	8%	yes	contract		increased		no	"	
1279	no					4 00	neither		no	"	
1280	yes					12 00	increased	neither	yes	"	
1281	yes	1,100	7%	yes	mortgage		neither	increased	"	"	
1282	no					10 00	increased	decreased	"	"	
1283	"					8 50	"	increased	"	"	
1284	"					11 00	"	"	no	"	
1285	"					5 00	neither	decreased	"	"	
1286	yes	500	6%	yes	contract		increased	increased	yes	"	
1287	no					5 00	neither	neither	no	"	
1288	yes						"	"	"	"	
1289	no					6 00	"	"	"	"	
1290	"					6 00			yes	"	
1291	"						neither		no	"	
1292	"					11 00	"		"	"	
1408	"					3 50	"		"	"	
1409	"					6 00	"		"	"	
1410	"					7 00	neither	neither	"	no	
1411	yes	no					"	"	"	"	
1412	"	"					"	"	"	"	
1413	"	"					"	"	"	"	
1414	"	"					"	"	"	"	
1415	"	"					"	"	"	"	
1416	no					6 00	increased		yes	"	
1417	yes						increased	increased	"	"	
1418	"	no							"	"	
1419	"	"							"	"	
1420	"						neither		"	"	
1421	no						"		"	"	
1422	yes	no					"	neither	"	"	
1423	no					12 00	"		"	"	
1424	"						"		"	"	
1425	yes	no					"	neither	"	"	
1426	no					9 00	"	decreased	"	"	
1427	"						"	neither	"	"	
1428	"					5 00	"		"	"	
1429	"					8 00	"	"	no	"	
1430	yes	yes*		yes	contract		increased		yes	"	
1431	"	200	8%	"	mortgage		"	increased	no	"	
1442	"	no		yes	contract				"	"	
1443	"	100				7 00	neither		"	"	
1444	no					5 00	"	neither	"	"	
1445	yes	no					"		"	"	
1446	no					4 50			"	"	

* Does not say what.

TABLE No. 1.—Continued from page 37.

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1447											
1448	yes	no					neither		no		
1449	yes	no					increased		yes		
1454	no	no					neither		no		
1455	yes	no						neither			
1456	no										
1457						\$7 00	neither				
1478	no										
1479											
1480	yes	no						neither		no	
1481											
1482	yes	no					neither	neither			
1483											
1484	"	"					neither			no	
1485						7 00			yes		
1486						5 00					
1487	no					8 00	neither				
1488								increased		I. A. of A. M.	no
1489	no						neither		no		
1490						5 00				no	
1491	no					7 50			yes		
1492	"					7 00			no		
1493									yes		
1494	yes	no						neither	no		
1495	no								yes		
1496	"					6 00					
1497											
1506	yes	no					increased	neither			
1509							neither		no		
1510	no										
1511	yes	no					neither	neither	yes		
1512	no					8 50			no		
1513						4 00			yes		
1514	yes	no						neither	no		
1515	no										
1516	yes	no									
1517	no					6 00	increased	increased	yes		
1518	"					8 00			no	B. of R. T.	no
1519	"					10 00	neither	neither	no		
1520	"					10 00			yes		
1521									no		
1522	yes	no							yes		
1523	no					10 00	neither	neither			
1524									no		
1525	yes	no						neither		no	
1526	no					10 00			yes		
1527	"					6 00	increased		no		
1528	"						neither	neither	yes		
1529	"							increased	no		
1530	"								yes		
1531	"							neither	no		
1532	"					10 00				B. of R. T.	yes
1533										no	
1534	yes	no					neither		yes		
1535									no		
1536									yes	S. M. A. A.	no
1537	no					10 00	neither	neither	increased	no	
1538	"							neither			
1539	"										
1540	"										
1541	"										
1542	"										
1543	"						increased	decreased			
1544	"						increased	increased			
1545	no					9 00	neither				
1546	"					10 00	increased	neither		B. of R. T.	yes
1547	"						neither		yes	no	

Railway employes.

[illegible]

TABLE No. 1.—Continued from page 39.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1552	no					\$5 00	increased	neither	yes	no	
1553	"						neither	increased	"	"	
1554	"						neither	neither	"	S. M. A. A.	yes
1555	"						neither	neither	"	no	
1556	yes	no							no		
1558	"								"	no	
1559	"					6 00	neither	neither	"	"	
1560	no						"	neither	"	"	
1561	"						"	neither	"	"	
1562	yes	no					increased		no	B. of R. T.	yes
1563	"						neither	decreased	"	no	
1564	"	\$200	7%	yes	contract				"	"	
1565	"					5 00	increased	increased	yes	"	
1566	yes	700	7%	yes	mortgage		neither	neither	yes	"	
1567	"	no					inc. \$200 yr.	increased	no	"	
1569	no					4 00	neither		"	no	
1570	yes	no					increased		"	"	
1571	"						neither		yes	"	
1572	no						"	neither	no	"	
1573	"						"		"	"	
1574	"						"		"	"	
1575	"						"		"	"	
1576	"						"		"	"	
1577	"					10 00	increased		yes	"	
1578	"						neither		"	"	
1579	"						"	neither	"	"	
1580	"						"		"	"	
1581	"						"	neither	no	"	
1582	"						"		yes	"	
1583	"					10 00	"		no	"	
1584	yes	400	7%	yes	mortgage		neither	neither	yes	"	
1585	"	300	7%				neither		no	"	
1586	no					5 00	neither		"	"	
1587	"						increased		"	"	
1588	no						neither		yes	"	
1589	yes	no					increased		no	"	
1590	"						neither		"	"	
1591	yes	no					increased		yes	"	
1592	"						neither		no	"	
1593	"						increased		yes	"	
1594	no					4 00	neither		"	"	
1595	"						"	neither	"	"	
1596	"					6 00	"		"	"	
1597	yes	100	10%	yes			neither		no	"	
1598	no						neither		"	"	
1599	yes*			yes	mortgage		neither		no	"	
1600	"	400	7%				"		"	no	
1601	no					6 00	"		"	"	
1602	yes	no					neither		"	no	
1603	"					4 00	inc. \$2 mo.	increased	"	"	
1604	no					6 00	neither		"	no	
1605	"						"		"	"	
1606	yes	100	10%	yes			inc. \$3 mo.	increased	yes	"	
1607	no						increased		no	"	
1608	yes	yes*					"		"	"	
1609	no	no				4 00	neither		yes	"	
1610	yes	no					"		"	"	
1611	no						"		"	"	
1612	yes	no					"		"	"	
1613	no						"		"	"	
1614	yes						"		"	"	
1615	no						"		"	"	
1616	yes	no					"		"	"	
1617	"						neither		"	"	

* Does not say what.

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	yes	no	yes			good	none	
		yes	no	"	no			"	"	
yes	yes	"	yes	"	"			"	"	
		"	"	"	"			"	"	
		no	no	"	yes	yes	less	none	"	
				"	no	no	"	good	"	
				"	"	yes	"	"	"	
				"	yes	yes	same	"	"	
				"	"	"	less	"	"	
yes	yes	yes	no	"	no	"	same	"	"	
		no	"	"	yes	yes	same	"	"	
		"	"	"	no	yes	less	"	"	
		no	no	"	"	yes	same	none	loss of a leg	
		yes	no	no	yes			"	none	
		yes	yes	"	yes			"	caught in draw-bars	
		no	no	"	no			"	none	
		"	"	"	yes			fair	"	
		"	"	"	no			good	"	
		"	"	"	yes			"	"	
		"	"	"	"			"	"	
		"	"	"	yes			"	"	
		"	"	"	"			none	"	
		"	"	"	"			bad	"	
		yes	no	"	no			none	"	
		yes	no	"	yes			bad	"	
		yes	no	"	yes			good	"	
		no	no	no	no			good	truck fell on foot	
		"	"	"	"	yes	less	"	none	
		no	no	"	"	"	same	"	"	
		"	"	"	yes	yes	less	none	"	
		"	"	"	no	yes	less	good	"	
		no	no	"	no	"	less	"	"	
		yes	yes	"	yes	"	less	none	"	
		no	no	"	no	"	same	good	"	
		"	"	"	yes	"	"	"	"	
		no	"	"	yes	yes	same	"	"	
		yes	no	"	no	"	"	good	"	
		yes	no	"	yes	yes	more	none	"	
		yes	yes	yes	yes	yes	more	good	"	
		yes	yes	no	no			none	"	
		no	no	no	no			"	"	
		yes	no	no	yes	yes	less	good	"	
		no	no	no	yes	yes	less	none	"	
		"	"	"	yes	yes	less	good	struck by a boom	
		"	"	"	no	yes	same	"	none	
		"	"	"	"	"	"	"	"	
		no	"	"	"	"	less	none	"	
		"	"	"	yes	"	"	good	"	
		"	"	"	yes	"	"	bad	"	
		"	"	"	yes	no	same	"	none	

{ Came to this country
when young.

TABLE No. 1.—Continued from page 41.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1618	no	---	---	---	---	---	neither	increased	no	no	---
1619	---	---	---	---	---	---	increased	---	---	---	---
1620	---	---	---	---	---	---	neither	---	---	---	---
1621	---	---	---	---	---	\$2 00	---	neither	---	---	---
1622	yes	no	---	---	---	---	decreased	decreased	---	---	---
1623	---	---	---	---	---	---	increased	---	yes	---	---
1624	no	---	---	---	---	3 00	---	increased	no	---	---
1640	yes	no	---	---	---	2 00	neither	neither	yes	---	---
1641	no	---	---	---	---	---	increased	---	---	---	---
1642	---	---	---	---	---	3 00	---	---	no	---	---
1643	---	---	---	---	---	3 00	neither	neither	---	---	---
1644	---	---	---	---	---	3 00	---	---	---	---	---
1645	no	---	---	---	---	5 00	neither	neither	yes	---	---
1646	---	---	---	---	---	3 00	decreased	decreased	---	---	---
1647	yes	no	---	---	---	---	increased	neither	---	---	---
1648	---	---	---	---	---	---	neither	---	---	---	---
1649	no	---	---	---	---	7 00	---	---	---	---	---
1650	yes	---	---	---	---	---	---	---	no	---	---
1651	no	no	---	---	---	---	---	---	yes	---	---
1652	no	---	---	---	---	4 00	increased	increased	no	---	---
1653	---	---	---	---	---	6 00	---	---	yes	---	---
1654	---	---	---	---	---	4 50	neither	---	no	---	---
1655	---	---	---	---	---	4 00	increased	increased	---	---	---
1656	---	---	---	---	---	---	neither	---	yes	---	---
1657	---	---	---	---	---	---	---	neither	no	---	---
1658	yes	no	---	---	---	---	---	---	yes	---	---
1659	---	---	---	---	---	---	---	---	---	---	---
1660	yes	no	---	---	---	---	neither	neither	no	---	---
1661	no	---	---	---	---	3 50	---	---	---	---	---
1662	---	---	---	---	---	6 00	neither	---	---	---	---
1663	---	---	---	---	---	---	---	---	---	---	---
1664	---	---	---	---	---	---	---	---	---	---	---
1665	---	---	---	---	---	---	---	---	---	---	---
1706	yes	no	---	---	---	---	neither	neither	---	---	---
1707	---	---	---	---	---	---	---	---	---	---	---
1708	---	\$850	7%	yes	mortgage	---	---	---	yes	no	---
1709	no	---	---	---	---	---	---	---	no	---	---
1710	yes	300	6%	yes	contract	---	---	---	---	---	---
1711	---	550	7%	---	mortgage	---	increased	---	yes	---	---
1712	no	---	---	---	---	13 00	---	---	no	---	---
1713	yes	yes*	---	---	---	---	decreased	neither	yes	---	---
1714	no	---	---	---	---	---	neither	---	no	---	---
1715	---	---	---	---	---	---	---	---	---	---	---
1716	---	---	---	---	---	---	---	---	---	---	---
1717	---	---	---	---	---	30 00	neither	---	yes	---	---
1718	yes	yes*	7%	yes	mortgage	---	---	---	---	---	---
1719	no	---	---	---	---	---	---	---	no	---	---
1720	yes	400	5%	yes	mortgage	---	---	---	yes	---	---
1721	no	---	---	---	---	---	neither	---	no	---	---
1722	---	---	---	---	---	10 00	---	neither	yes	---	---
1723	yes	no	---	---	---	---	increased	increased	---	---	---
1724	---	---	---	---	---	5 00	---	---	no	---	---
1725	yes	500	7%	yes	mortgage	---	---	---	yes	---	---
1726	---	100	7%	---	---	---	neither	neither	no	---	---
1727	no	no	---	---	---	---	---	---	yes	---	---
1728	---	---	---	---	---	6 00	---	---	no	---	---
1729	---	---	---	---	---	---	---	---	yes	---	---
1730	---	---	---	---	---	---	---	---	---	---	---
1731	---	---	---	---	---	---	increased	---	no	---	---
1732	yes	no	---	---	---	---	neither	---	---	---	---
1733	---	---	---	---	---	---	---	---	yes	no	---
1734	---	200	7%	yes	mortgage	---	neither	---	no	---	---
1735	no	---	---	---	---	---	---	---	yes	---	---
1736	---	---	---	---	---	---	---	neither	---	---	---
1737	yes	no	---	---	---	---	---	---	---	---	---
1738	---	---	---	---	---	---	---	---	---	---	---

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no		no	yes			none		
		no			"			good	none	
					"	yes	same	"	"	{ Have worked only 2 days.
		no	no	no	"	"	less	none	"	
		"	"	yes	no	yes	"	bad	"	{ Came to Am. when a child.
					yes	"	same	none	"	
		no	no	no	yes			bad	"	
		"	"		no			good	hurt eye	
		"	"		no			none	none	
		"	"		yes			good	"	
		no	no	no	no			"	"	
		yes			yes	yes	same	"	"	
					"			"	"	
		yes	no		no	yes	same	"	"	
		no	"	"	no	"	less	none	"	
		"	"	"	"	"		good	"	
		"	"		yes			"	"	
		"	"		yes	yes	less	"	"	
		"	"		"	"	same	"	"	
					no	"		"	"	
					"	"		"	"	
					yes	yes	same	"	"	
		no			yes	yes	same	"	"	
					"	"		"	"	
		no			yes	yes	same	"	"	
		yes	no		yes	no	"	"	"	
		"	"		yes	yes	same	"	"	
		yes	"		no	"		none	"	{ Works alternate Sundays.
		no	"		yes	no	same	good	"	
								"	"	
		no	no	no	no			"	"	
		yes	yes		yes	yes	same	"	"	
		no	no	"	"			"	"	
		yes	yes		no	yes	same	"	"	
		no	no		yes	yes	same	"	"	
								"	"	
		yes	no	no	no	yes	same	bad	"	
		no	"	"	yes	"		good	"	
		yes	"		"			"	"	
		yes						good	none	
				no				"	"	
		yes						"	"	
		no	yes					none	"	
		yes	no		yes	no		"	"	
					no	no	less		bruised foot	
		yes	no		yes	yes	same	none	none	
					"	"		"	"	
		no	no		yes	"		good	"	
		"	"		"			"	"	
		"	"		no			"	"	

TABLE No. 1.—Continued from page 43.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1739	no					\$5 00	neither	neither	no	no	---
1740	yes	no							"	"	---
1741									"	"	---
1742									"	"	---
1743	yes	\$100	8%	yes			neither	neither	"	"	---
1744		no							"	"	---
1745	no					3 50	"	"	"	"	---
1746									"	"	---
1747	"					2 50	neither	neither	"	"	---
1748	"					8 00	"	"	"	"	---
1769	yes	no							yes		---
1770		425	7%	yes	contract	6 00	increased	increased	"	B. of L. E.	yes
1771	no						neither	"	"	no	---
1772	yes	no					"	neither	"	"	---
1773	"							decreased	"	"	---
1774	"	150	7%	yes	mortgage		neither	neither	"	"	---
1775	no					3 00	increased	increased	no	"	---
1776	"								yes	"	---
1777	"					5 00			no	"	---
1778	"					10 00	neither	neither	yes	no	---
1779	yes	no						decreased	"	"	---
1780						5 00	"	increased	"	B. of R. T.	no
1781	no					11 00	"	"	"	no	---
1782							"	"	no	"	---
1784	"					15 00	increased	increased	yes	O. of R. C.	no
1785	"					8 00	"	"	"	no	---
1786	"					8 00	"	"	"	"	---
1787	"					7 00	"	"	"	"	---
1788	"					7 00	"	"	no	"	---
1789	"					9 00	neither	neither	yes	O. of R. C.	no
1811	"					8 00	"	"	"	B. of L. E.	"
1812	"					10 00	increased	increased	"	"	"
1813	"						neither	neither	"	no	---
1814	yes						"	"	"	B. of L. E.	no
1815	"						"	"	"	"	---
1816	"						"	"	no	"	---
1817	"						"	"	yes	"	---
1818	no					6 00	increased	increased	yes	"	---
1819	"					7 00	neither	"	"	"	---
1820	"							neither	"	no	---
1821	"						"	"	"	"	---
1822	yes	no					"	"	"	"	---
1823						5 00	increased	increased	"	"	---
1824	no					2 50	neither	neither	no	B. of L. F.	no
1825							"	increased	"	no	---
1829							"	neither	yes	B. of L. F.	no
1827	no					7 00	"	increased	"	"	---
1828	"						increased	"	"	no	---
1864	yes						neither	neither	no	"	---
1865							"	increased	no	B. of R. T.	yes
1866	yes	100	6%	yes	contract		"	neither	yes	no	---
1867	no						"	"	"	"	---
1868	"						"	"	"	"	---
1869	"					10 00	"	neither	no	"	---
1870	"						"	"	yes	"	---
1871	"						"	"	no	B. of R. T.	no
1872	"					6 00	increased	increased	"	no	---
1873	"						"	"	yes	"	---
1874	"						neither	neither	"	"	---
1875	"						"	"	"	"	---
1876	no						"	"	"	"	---
1877	"						"	"	"	"	---
1878	"						"	"	"	"	---
1879	"						increased	"	"	"	---
1880	"						neither	"	"	"	---

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no		no	no	yes	same	good	none	
		no		"	"			"	"	
						yes	same	"	"	
				no	no	"	"	"	"	
				"	"			"	"	
		no	no	"	yes			"	"	
yes	no	yes	no	yes	no			"	fingers hurt	
		yes	no	no	yes			"	none	
		no	"	"	no			"	"	
		no	no	"	yes			none	"	
		no	no	no	no		less	none	smashed leg	
								none	none	
		yes	yes	no	"			none	hand smashed	
		yes	yes	"	"			none	none	
yes	no	no	no	"	yes	yes	same	good	"	
yes	yes	no	"	no	no			"	"	
		yes	yes	"	"			"	"	
yes	yes	yes	yes	"	yes				"	
"	"	no	no	"	"				nothing serious	
"	"	no	yes	"	"				none	
yes	yes	"	"	"	"				"	
"	"	no	yes	"	"				"	
"	"	no	no	yes	no			bad	"	
yes	yes	yes	yes	"	"			"	nothing serious	
"	no	yes	"	"	"			"	none	
"	yes	"	"	"	"			good	"	
"	"	no	no	"	yes			good	nothing serious	
		yes	yes	"	no			"	none	
		no	yes	"	"			"	"	
yes	yes	no	"	yes	no			good	"	
yes	yes	"	"	"	yes			bad	"	
"	"	"	"	"	"			"	"	
		yes	yes	"	no			"	"	
yes	yes	no	no	"	yes			bad	"	
		yes	yes	"	"			none	"	
		yes	yes	"	"			bad	thumb smashed	
		no	no	"	"			"	none	
		yes	"	"	"			"	finger smashed	
yes	yes	yes	"	"	no			"	none	
		no	"	"	"			good	"	
		"	"	"	no			"	arm crippled	
		"	"	"	yes			"	nothing serious	
		"	"	no	no			"	none	
		yes	yes	yes	yes	yes	less	bad	"	
		no	"	"	"	"	"	"	"	
		no	no	"	"	"	"	"	"	
		yes	yes	"	"	"	"	"	"	

TABLE No. 1.—Continued from page 45.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1881	no					\$7 00	neither	neither	yes	no	
1882	yes	no					..	decreased	no	no	
1883	no					8 00	..		no	no	
1884	yes	\$74	none				..		yes	..	
1885	no					8 00		neither	no	..	
1886	yes	74	none			5 00	increased	inc. \$5 mo.	yes	..	
1887	no							neither	..	..
1888	yes	300	7%	yes			neither	decreased	no	T. D. A. of A.	yes
1889	..	no					neither	..	yes	no	
1890	..	200	7%	yes				dec. 10%	..	..
1892	..							neither	no	..	
1894	..							neither	yes	..	
1896	no					6 00			no	..	
1897	yes	yes*					increased	..	yes	..	
1898	no					6 50	neither	..	no	..	
1899	yes						increased	..	yes	..	
1900	..						neither	..	no	no	
1904	..							..	..	no	
1905	no					3 00	..		..	..
1906	yes							increased	..	no	
1907	..	200	6%	yes					yes	..	
1908	..					6 00			..	..
1911	no					5 00	neither	neither	..	..
1912	yes								..	..
1913	no					5 00	increased	decreased	no	..	
1914	yes	75	6%	yes	contract	6 00	increased	increased	yes	..	
1913	no					6 00	neither	neither	yes	..	
1918	yes	150	8%	yes	contract			increased	no	..	
1919	..							neither	..	..
1920	no					3 00	..		..	..
1921	..								yes	..	
1922	..								..	..
1923	..								..	..
1924	yes								..	..
1925	..						increased		no	..	
1926	no					3 00	neither		yes	..	
1927	..					3 00			no	..	
1928	..								yes	..	
1929	..					3 00			..	..
1930	..								no	..	
1931	..								yes	..	
1932	..								..	..
1933	..					15 00		neither	..	..
1934	..					2 50		increased	..	..
1935	..							neither	no	..	
1936	..								..	..
1937	..								..	..
1938	..								..	..
1939	yes								..	..
1940	no								..	..
1941	..								..	..
1942	..						increased		..	..
1943	..					3 00	neither		..	..
1944	..					4 00	increased	increased	..	..
1945	..					4 00	neither		..	..
1946	yes	no						neither	yes	..	
1947	..						increased	increased	..	..
1948	..						neither	neither	..	..
1949	..	200	8%	yes					..	..
1950	no								..	..
1951	yes	no							no	..	
1952	..	100	6%	yes					..	..
1953	..	no							yes	..	
1954	no							neither	..	..
1955	..					5 00			..	..
1956	..								no	..	

* Doesn't say what.

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	yes	yes	yes			bad	none of importance	
		"	"	no	no			none	none	
		"	no	"	no			good	"	
		no	"	no	yes			good	none	
yes	no	yes	"	"	no			good	"	
		yes	no	"	yes			good	"	
		yes	no	yes	"			good	"	
		no	"	no	no	same		good	"	
		yes	"	"	yes	yes	less	good	"	
		yes	no	"	"	no	same	bad	"	
		yes	no	"	"	no	same	bad	broken leg	
		"	"	no	yes	no	same	bad	none	
		"	yes	"	"	no	less	good	foot hurt and fingers *	
		yes	"	yes	"	yes	"	bad	none	
		no	"	no	"	"	"	bad	"	
		yes	no	no	"	"	"	bad	"	
		yes	no	no	"	"	"	bad	"	
		yes	yes	no	yes	yes	less	good	"	
		no	no	"	"	"	"	good	"	
		no	no	"	no	yes	"	good	"	
		"	no	"	yes	"	"	good	"	
		"	no	"	"	yes	less	none	"	
		"	"	"	"	"	"	none	"	
		no	no	"	"	yes	less	"	"	
		no	no	no	"	"	"	"	"	
		"	no	"	no	yes	less	good	"	
		"	"	"	yes	yes	less	good	"	
		yes	no	"	no	"	"	bad	"	
		no	"	"	yes	yes	less	good	"	
		"	"	"	"	"	"	good	"	
		"	"	"	"	"	"	good	"	
		yes	no	"	no	"	"	bad	"	
		no	"	"	yes	yes	less	good	"	
		"	"	"	"	"	"	good	"	
		no	no	yes	"	"	same	none	none of importance	
		yes	"	no	"	"	"	good	none	

* jammed.

TABLE No. 1.—Continued from page 47.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
1958	no					\$7 00	increased	increased	no		
1959	"					6 00	neither	neither	yes		
1960	"								"		
1961	"					7 00	neither	neither	no	B. of L. E.	yes
1962	"					6 00	"	"	no	"	"
1963	"						"	"	yes	"	"
1964	yes	no					"	"	"	"	"
1965	no						"	"	"	"	"
1966	yes	\$100	7%	yes			increased	"	"	B. of L. F.	"
1967	no						neither	"	no	no	
1968	"					6 00	"	"	no	"	
1969	yes	no					"	"	yes	"	
1970	no						"	"	"	"	
1971	"					10 00	"	"	"	B. of R. T.	no
1972	"						"	"	"	no	
1973	"						"	"	"	"	
1974	yes	100	7%	yes	mortgage		"	"	no	"	
1975	no					4 00	increased	increased	yes	"	
1976	yes	1,200	7%	yes	mortgage		neither	neither	"	"	
1977	"	no					"	"	"	O. of R. T.	yes
1978	no					5 00	"	"	"	no	
1979	"										
1980	yes	yes	7%	yes	mortgage		neither	decreased	yes		
1981	"	no					increased	"	no	"	
1982	"					9 00	neither	neither	yes	"	
1983	yes	no					"	"	no	"	
1984	"						increased	"	"	"	
1985	no					8 00	neither	"	"	"	
1986	"					6 00	"		yes	"	
1987	"					10 00	"	decreased	"	"	
1988	"					8 00	"	"	no	"	
1989	"					4 00	"	neither	"	"	
1990	"					6 00	"	"	"	"	
1991	yes	no					"	decreased	yes	"	
2002	"						increased	neither	no	"	
2003	no						neither	"	yes	I. A. of A. M.	yes
2004	"						"	"	no	no	
2010	"						"		no	"	
2011	"					8 50	decreased	"	yes	"	
2013	"						neither	"	no	"	
2014	"					9 00	"	decreased	yes	"	
2017	yes	no					"		"	"	
2018	no					8 00	increased	neither	no	"	
2021	yes	no					neither	"	"	"	
2022	no					4 00	increased	increased	yes	"	
2023	yes	no					neither	neither	"	"	
2024	no					6 50	"	decreased	no	"	
2025	"						"	neither	yes	"	
2026	"						"	decreased	no	"	
2027	"						"	"	"	"	
2028	"						"	neither	"	"	
2029	"						increased	increased	yes	"	
2030	"						"	"	no	"	
2031	"					5 00	"	"	"	"	
2032	"					6 00	"	"	"	"	
2033	"					6 00	"	increased	"	"	
2034	yes	no					decreased	decreased	"	"	
2035	no					5 00	neither	"	"	"	
2036	"						"	"	yes	O. of R. C.	yes
2037	"					9 00	"	increased	"	"	
2038	"					10 00	"	decreased	"	"	
2039	"						"	neither	"	B. of R. T.	"
2040	"					8 00	"	increased	"	no	
2041	yes	400	7%	yes	contract		increased	"	no	B. of R. T.	yes
2042	no						neither	neither	yes	no	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	yes	no			good	none	
yes	no	yes	yes	"	"			bad	"	
"	"	"	"	"	"			good	"	
"	"	no	no	"	"			bad	"	
"	"	yes	yes	"	"			good	"	
"	yes	no	no	no	yes			"	"	
		yes	yes	yes	"			"	"	
		no	no	"	"			bad	"	
		no	yes	no	no			good	"	
yes	no	no	no	no	"			"	"	
		no	yes	"	"			"	"	
		yes	no	"	"			good	injured foot	
		yes	no	"	"			bad	none	
	yes	yes	no	yes	"			bad	"	
		no	no	"	"			good	"	
		yes	yes	no	yes			good	"	
		"	yes	"	"			bad	"	
		"	yes	"	"			good	"	
		"	no	no	"			bad	"	
		no	no	yes	"			good	"	
		"	yes	"	"			good	none	
		"	no	"	"			good	"	
		yes	yes	"	"	yes	same	"	"	
		"	no	"	"			bad	"	
		yes	yes	yes	"			good	"	
no		"	"	"	no			"	"	
		no	no	"	yes			"	none	
		yes	yes	no	"			"	"	
		no	no	no	"			bad	"	
		yes	no	yes	"			"	"	
		no	no	no	"	yes	same	good	"	
		yes	"	"	no			"	"	
		yes	"	"	no	yes	same	"	"	
		no	"	"	no			"	"	
		yes	"	"	yes			"	"	
		no	"	"	"	yes	same	"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		no	no	no	"			bad	"	
		"	no	"	"			"	"	
		yes	"	"	"	yes	same	good	"	
		yes	"	"	yes			"	"	
yes	yes	no	"	"	"			good	none	
"	"	"	yes	yes	no			"	bruised leg	
"	"	"	no	no	"			"	none	
yes	yes	yes	yes	"	yes	yes	same	"	broken collar bone	
		yes	yes	"	"			"	injured head and leg	
					"			"	none	

TABLE No. 1.—Continued from page 49.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2043	no						neither	neither	yes	B. of R. T.	yes
2044	..					\$12 00	increased	increased	..	O. of R. C.	..
2045	..					12 00	..	neither	..	B. of R. T.	..
2046	..					8 00	..	increased	..	..	..
2047	..					8 00	..	increased	..	..	..
2048	yes	\$350	8%	yes	mortgage	8 50	..	neither	..	O. of R. C.	..
2049	no					9 00	..	..	..	B. of R. T.	..
2050	..					9 00	..	..	..	O. of R. C.	..
2051	..					..	..	..	..	B. of R. T.	..
2052	yes	600	7%	yes	contract	..	increased	increased	..	..	..
2053	no					..	..	neither	no	..	..
2054	..					25 00	neither	..	..	..	..
2055	..					12 00	..	..	yes	..	..
2056	..					18 00	..	..	..	B. of R. T.	no
2057	..					12 00	..	..	..	B. of L. E.	yes
2058	yes	no				10 00	..	..	..	..	..
2059	no					10 00	..	..	..	..	..
2060	..					..	..	..	..	..	..
2061	..					15 00	increased	increased	..	..	..
2101	yes	no				..	neither	neither	..	B. of L. E. & B. of L. F.	..
2102	..					..	..	..	..	B. of L. E.	..
2103	no					10 00	..	..	..	B. of L. F.	..
2104	..					12 00	..	..	..	B. of L. E.	..
2105	..					..	..	..	..	..	..
2106	yes	no				..	..	..	..	..	..
2107	no					10 00	..	increased	..	B. of L. F.	..
2108	..					7 00	..	neither	..	no	..
2109	yes	350		yes	mortgage	..	..	..	..	B. of L. F.	yes
2110	no					..	..	..	..	..	..
2111	..					..	..	..	..	no	..
2112	yes	600	7%	yes	mortgage	..	..	increased	..	B. of L. F.	yes
2113	no					11 00	..	..	..	..	..
2114	..					..	..	neither	..	no	..
2115	..					..	..	..	..	B. of L. F.	yes
2116	..					..	..	..	..	no	..
2117	..					11 00	neither	neither	..	B. of L. F.	yes
2118	yes	350	8%	yes	mortgage	..	..	increased	..	..	..
2119	no					..	..	neither	..	..	..
2120	..					..	..	decreased	..	no	..
2121	..					10 00	increased	increased	no	B. of L. F.	yes
2122	..					..	neither	..	yes	no	..
2123	..					..	..	decreased	..	B. of L. F.	no
2124	..					..	..	..	..	..	..
2125	..					..	..	increased	..	..	yes
2126	..					8 00	..	neither	..	..	..
2127	..					8 00	..	..	..	..	..
2128	..					..	neither	neither	..	..	..
2129	..					..	..	..	..	..	..
2170	..					..	..	..	..	I. A. of A. M.	..
2171	no					..	..	..	..	no	..
2172	..					10 00	..	..	..	..	..
2173	..					..	..	..	..	..	..
2174	..					..	..	..	..	..	..
2175	..					..	..	..	..	..	..
2176	..					..	..	..	..	..	..
2177	..					..	..	decreased	..	..	..
2178	yes	300	8%	yes	contract	..	..	increased	..	B. of R. T.	yes
2179	no					..	..	neither	..	..	..
2180	yes	no				..	decreased	increased	..	no	..
2181	no					..	neither	..	..	B. of R. T.	yes
2182	..					7 00	increased	..	..	..	..
2183	..					..	neither	neither	no	no	..
2184	..					..	..	..	..	..	..
2185	..					..	..	..	yes	B. of R. T.	yes
2186	..					..	..	..	..	no	..

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	no	no	yes	no	same	good	none	
"	"	no	yes	"	"	no	same	"	"	
"	"	yes	"	"	yes	"	"	"	"	
"	no	yes	no	"	"	"	"	"	sprained foot	
"	no	no	"	"	"	"	"	"	none	
"	yes	"	"	"	"	"	"	"	"	
"	"	"	no	yes	"	"	"	"	sprained ankle	
"	"	yes	"	no	no	"	"	bad	none	
"	yes	yes	yes	"	"	"	"	good	"	
"	"	no	"	"	"	yes	less	"	injury to neck	
"	"	"	"	yes	"	"	same	"	none	
"	"	yes	"	"	yes	"	"	"	"	
"	"	no	"	yes	no	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	no	"	yes	no	"	"	"	"	
"	"	yes	yes	no	"	"	"	"	"	
"	"	no	no	"	"	yes	same	"	"	
"	"	yes	yes	yes	"	"	"	"	"	
"	"	yes	"	"	"	"	"	"	"	
"	"	no	yes	no	"	"	"	"	injured leg	
yes	yes	yes	no	yes	yes	"	"	"	none	
"	"	no	"	"	no	"	"	"	"	
yes	yes	"	no	"	yes	"	"	"	"	
"	"	yes	"	"	"	"	"	"	"	
yes	yes	yes	"	"	no	"	"	"	"	
"	"	no	"	"	"	"	"	"	"	
yes	yes	no	yes	"	yes	"	"	"	"	
"	"	yes	no	"	no	"	"	"	"	
yes	yes	no	yes	"	yes	"	"	"	"	
"	"	yes	no	"	no	"	"	"	"	
"	"	yes	yes	"	"	yes	less	"	"	
"	"	"	"	"	"	"	"	none	"	
"	"	no	no	yes	no	"	"	good	"	
"	"	"	yes	"	"	yes	"	"	"	
"	"	"	"	"	yes	"	"	"	"	
"	"	yes	"	"	no	"	"	"	"	
"	"	no	yes	"	"	"	"	none	"	
"	"	"	yes	"	yes	"	"	good	"	
"	"	"	"	"	"	yes	"	"	"	
"	"	"	no	"	no	"	"	"	"	
yes	yes	no	yes	yes	no	yes	same	"	"	
"	"	"	"	"	"	"	"	"	"	
yes	yes	yes	no	"	no	yes	less	"	"	
"	"	yes	yes	"	"	"	"	"	"	
"	"	no	no	yes	no	"	"	none	"	
"	"	"	yes	"	"	"	"	good	"	
"	"	yes	"	"	yes	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
yes	yes	no	yes	yes	no	yes	same	"	"	
"	"	"	"	"	"	"	"	"	"	
yes	yes	yes	no	"	no	yes	less	"	injured foot	
"	"	yes	"	"	yes	"	"	"	lost finger and 2 hurt	
"	"	no	"	"	"	"	"	bad	pinched finger	
yes	yes	yes	yes	no	no	no	less	good	broken arm and hand	
"	"	"	"	"	"	"	"	none	none	

TABLE No. 1.—Continued from page 51.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what?	Does it help to increase wages.
2187	yes	no					neither	neither	yes	B. of R. T.	yes
2188	no						"	"	no	"	"
2189	"	"					"	"	yes	"	"
2190	"	"				\$10 00	increased	increased	no	"	"
2191	"	"					neither	neither	yes	no	"
2192	"	"					"	"	"	"	"
2193	"	"					"	"	"	"	"
2194	"	"					"	"	"	B. of R. T.	yes
2195	"	"				6 00	"	"	"	no	"
2196	"	"					increased	increased	"	B. of R. T.	yes
2197	"	"					"	"	"	"	"
2198	no						"	"	"	"	"
2199	yes	no					neither	"	no	no	"
2200	no						"	neither	yes	"	"
2201	"	"					"	"	"	"	"
2202	"	"					"	"	"	"	"
2203	"	"					"	"	"	"	"
2204	"	"					"	"	"	"	"
2205	"	"					"	"	"	B. of R. T.	yes
2206	"	"					"	"	"	"	"
2207	"	"				15 00	"	increased	no	"	"
2208	yes	\$500	7%		mortgage		"	"	yes	no	"
2209	no					10 00	increased	"	"	"	"
2210	"	"				12 50	neither	neither	"	"	"
2211	no					13 00	"	"	"	yes*	no
2212	"	"					"	"	"	no	"
2213	"	"				5 00	"	"	no	"	"
2214	"	"					"	neither	yes	"	"
2215	yes	no					increased	"	"	no	"
2216	"	"					neither	neither	"	"	"
2217	no						increased	inc. 50%	"	"	"
2218	yes	no				16 00	neither	neither	yes	"	"
2219	no					15 00	"	"	"	"	"
2220	"	"					neither	neither	"	R. A. A.	"
2221	"	"					"	"	"	O. of R. T.	"
2222	yes	no					increased	increased	"	no	"
2223	"	"				15 00	neither	neither	"	"	"
2224	"	"					"	"	yes	O. of R. T.	yes
2225	no					7 00	"	"	"	"	"
2226	"	"					neither	neither	no	O. of R. T.	yes
2227	"	"					increased	"	yes	"	yes
2228	yes	101	8%	yes	contract		neither	neither	no	"	yes
2229	no						increased	increased	yes	no	yes
2230	"	"					neither	neither	yes	"	"
2231	"	"					"	"	yes	O. of R. T.	yes
2232	"	"					"	"	no	"	"
2233	"	"					inc. 15%	inc. 15%	yes	no	"
2234	"	"					neither	neither	no	O. of R. T.	yes
2235	"	"					"	"	no	"	"
2236	"	"					"	"	yes	"	"
2237	"	"					neither	"	no	"	"
2238	"	"					"	"	yes	O. of R. T.	yes
2239	"	"					"	"	"	no	"
2240	"	"					"	"	"	O. of R. T.	no
2241	"	"					"	"	"	"	"
2242	yes	no				30 00	neither	neither	no	no	"
2243	"	"					"	"	yes	"	"
2244	no					22 00	"	"	"	"	"
2245	"	"					neither	"	"	"	"
2246	"	"				12 00	increased	increased	"	"	"
2247	"	"					neither	neither	"	"	"
2248	no						increased	"	yes	"	"
2249	"	"					"	"	"	"	"
2250	"	"					neither	neither	"	no	"
2251	"	"					"	"	yes	"	"

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General Remarks.
yes	yes	yes	no	no	no	yes	less	bad	none	
"	"	no	"	"	yes	"	"	good	sprained ankle	
"	"	"	"	"	"	"	"	none	none	
"	"	"	"	"	"	"	"	good	"	
"	"	"	"	"	"	"	"	"	"	
yes	yes	yes	yes	no	yes	"	"	"	hand injured	
yes	yes	no	no	"	"	"	"	"	none	
yes	yes	"	no	"	"	yes	less	good	loss of two fingers	
"	"	"	no	"	"	"	"	"	none	
"	"	"	no	yes	"	"	"	"	loss of a finger	
"	"	"	no	no	"	"	"	"	none	
"	"	yes	yes	"	no	"	"	"	"	
"	"	no	no	"	yes	no	same	"	"	
yes	yes	"	yes	"	yes	no	same	"	hand pinched	
"	"	"	no	"	"	"	"	"	none	
"	"	yes	yes	"	"	"	"	fair	head injured	
"	"	yes	yes	"	"	"	"	good	none	
yes	yes	yes	yes	no	no	no	same	good	"	
"	"	"	yes	no	"	"	"	"	"	
"	"	"	yes	no	"	yes	less	"	"	
"	"	no	no	no	yes	no	same	none	"	
"	"	no	no	yes	no	"	"	good	"	Salary from American Express Co. also.
"	"	yes	no	no	"	"	"	"	"	
"	"	no	no	"	"	"	"	good	"	
no	no	yes	"	yes	"	"	"	"	leg broken	Commission \$35.
yes	yes	"	"	"	"	"	"	"	none	
"	"	"	yes	no	"	"	"	bad	"	
no	yes	no	no	no	yes	"	"	none	"	
no	yes	yes	no	no	no	no	"	good	"	
no	no	no	no	yes	yes	"	"	"	"	
yes	yes	no	no	yes	no	yes	"	"	electric shock	
"	no	"	no	"	no	"	"	"	none	
yes	yes	yes	"	no	no	yes	"	none	"	
yes	yes	no	"	"	yes	"	"	fair	"	
no	"	"	"	yes	"	"	"	good	"	
yes	yes	yes	yes	no	no	no	"	none	"	
yes	yes	no	no	no	yes	"	"	good	hand smashed	
"	"	"	no	no	no	no	"	"	none	
no	no	yes	yes	yes	yes	"	"	good	"	
yes	yes	no	no	yes	no	"	"	"	"	
"	"	no	"	"	"	"	"	"	"	
"	"	yes	"	no	no	"	"	good	"	
"	"	yes	"	no	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	no	"	no	"	"	"	"	"	
"	"	yes	"	"	"	"	"	bad	"	
"	"	no	"	"	"	"	"	good	"	
"	"	"	"	"	"	"	"	none	"	
"	"	"	"	"	"	"	"	good	"	
"	"	yes	"	"	yes	"	"	"	"	
"	"	no	no	no	yes	"	"	"	"	

TABLE No. 1.—Continued from page 53.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2302	no						neither	increased	yes	no	
2303	"						increased	"	"	O. of R. T.	yes
2304	"								"	no	
2305	"								no	"	
2306	"								yes	"	
2307	"						neither	neither	"	"	
2308	"						"	"	"	"	
2309	"					\$12 00	"	"	"	"	
2310	"						"	"	no	"	
2311	"						"	"	yes	"	
2312	"						"	"	no	"	
2313	no					12 50	"	"	yes	"	
2314	"								"	"	
2315	yes						increased	increased	no	"	
2316	no						neither	neither	yes	"	
2317	"								"	"	
2318	"								"	"	
2319	no						neither	neither	yes	"	
2320	"						"	"	"	"	
2321	"						"	"	"	"	
2322	"						"	"	"	"	
2323	"								"	"	
2324	yes	no					increased	increased	no	"	
2325	no								yes	"	
2326	"								"	"	
2327	"						neither	neither	"	"	
2328	"						"	"	"	"	
2329	no					14 00	increased	increased	"	"	
2330	"						neither	neither	"	"	
2331	no						increased	increased	"	"	
2332	"						increased	increased	"	"	
2333	"						neither	neither	no	"	
2334	"						"	"	yes	"	
2335	no						"	"	"	"	
2336	"						"	"	"	"	
2337	"						neither	neither	yes	"	
2338	"						"	increased	no	"	
2339	yes	no					"	neither	"	no	
2340	no								yes	no	
2341	"					5 00	increased		"	"	
2342	"					13 50	neither	neither	yes	"	
2343	"						"	"	"	"	
2344	yes	no					"	"	"	"	
2345	no						"	"	"	"	
2346	"								"	"	
2347	no					8 00	neither		yes	"	
2348	"						decreased		no	"	
2349	"						neither		yes	"	
2350	"								"	no	
2351	"								yes	"	
2352	"								"	"	
2353	"					6 00	increased	increased	no	"	
2354	"								yes	"	
2355	"						increased		"	"	
2356	yes	no				10 00	neither	neither	yes	"	
2357	no						"		"	"	
2358	"						neither	decreased	yes	"	
2359	no						"	neither	"	"	
2370	"						"		"	"	
2371	yes	\$500	7%	yes	mortgage		"		"	"	
2372	no					12 00	"	increased	"	"	
2373	"						"	neither	"	"	
2374	"					12 50	"	increased	"	"	
2375	yes	300	7%	yes	contract		"	increased	"	"	
2376	"	no					"	neither	no	no	
2377	no							increased	yes	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
no	no	no	no	no	no			good	none	
			no	yes	yes			none	"	
		yes	yes	no				bad	"	
			no	"				good	"	
			"	"	no			fair	"	
			"	"	"			bad	"	
			"	"	"				"	
			yes	"	"			bad	"	
		no	no	"	"			fair	"	
			"	"	"			good	"	
		yes	no	no	"			bad	"	
		no	"	"	"			good	"	
		"	"	"	"			none	"	
		"	"	"	"			good	"	
		yes	"	"	"			"	"	
		no	no	"	"			good	"	
		yes	yes	"	yes			"	"	
		"	"	"	no	yes	same	"	none	
		no	no	"	"	"	"	none	"	
		"	"	"	"			good	"	
		"	"	"	"			"	"	
		yes	"	"	"			none	"	
		no	"	"	yes			good	"	
		"	"	"	no			bad	"	
		yes	"	"	yes			good	"	
		no	"	"	"			"	"	
		yes	"	"	no			"	"	
		no	"	no	"			"	none	
		yes	"	yes	"			bad	"	
			no	no	"			good	"	
		yes	yes	"	yes			"	"	
		"	no	"	no			"	"	
		"	yes	"	"			"	"	
		no	no	"	"			"	"	
		"	"	"	"			"	"	
		yes	no	no	yes			"	none	
		yes	no	"	"	yes	less	"	"	
		yes	yes	yes	yes			"	loss of finger	
			yes	"	"			"	none	
		no	no	no	yes			good	"	
			"	"	"			none	"	
		yes	yes	"	"			good	"	
			"	"	"			"	"	
		yes	yes	no	yes			"	"	
		"	no	"	"			"	"	
		no	yes	"	"			fair	injured foot	
		yes	no	"	"			good	none	
		"	yes	"	"			"	"	
		no	no	"	"			"	"	
		yes	"	yes	no			bad	broken arm and*	
		"	"	no	"			good	none	

* shoulder and eye injured.

TABLE No. 1.—Continued from page 55.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2878	yes	\$500	7%	yes	contract	-----	neither	neither	yes	no	-----
2879	no	600	8%	"	mortgage	-----	"	increased	no	"	-----
2880	"	"	"	"	"	-----	"	neither	yes	"	-----
2881	"	"	"	"	"	-----	"	increased	"	"	-----
2882	"	"	"	"	"	\$10 00	neither	neither	"	"	-----
2883	yes	no	"	"	"	-----	"	neither	"	"	-----
2884	"	"	"	"	"	-----	"	"	"	"	-----
2885	no	"	"	"	"	-----	"	"	"	"	-----
2886	yes	200	7%	yes	"	-----	neither	neither	"	B. of R. C. M.	no
2887	no	"	"	"	"	-----	"	"	"	"	-----
2888	yes	no	"	"	"	-----	"	"	"	"	-----
2889	"	700	7%	yes	contract	-----	neither	neither	no	no	-----
2890	"	"	"	"	"	-----	increased	increased	yes	B. of R. C. M.	no
2891	"	100	none	yes	"	-----	neither	neither	yes	"	-----
2892	no	"	"	"	"	7 00	"	"	"	"	-----
2893	"	"	"	"	"	6 00	"	"	no	"	-----
2894	yes	600	8%	yes	mortgage	-----	"	"	yes	"	-----
2895	no	"	"	"	"	5 00	"	"	no	no	-----
2896	"	"	"	"	"	5 00	"	"	yes	B. of R. C. M.	no
2897	"	"	"	"	"	5 00	"	"	no	"	-----
2898	"	"	"	"	"	5 00	increased	increased	"	no	-----
2899	yes	no	"	"	"	5 00	neither	neither	yes	"	-----
2900	no	"	"	"	"	6 50	"	increased	"	"	-----
2901	"	"	"	"	"	6 50	increased	"	no	B. of R. C. M.	no
2902	"	"	"	"	"	6 50	neither	"	"	no	-----
2903	"	"	"	"	"	6 50	"	neither	yes	B. of R. C. M.	no
2904	"	"	"	"	"	"	"	"	"	"	-----
2905	yes	no	"	"	"	"	"	"	"	"	-----
2906	no	"	"	"	"	"	"	"	"	no	-----
2907	"	"	"	"	"	8 00	increased	increased	no	"	-----
2908	yes	no	"	"	"	"	neither	"	yes	B. of R. C. M.	no
2909	no	200	8%	yes	mortgage	-----	"	neither	"	"	-----
2910	no	"	"	"	"	14 00	"	increased	no	I. A. of A. M.	yes
2911	"	"	"	"	"	"	"	"	yes	no	-----
2912	yes	400	"	yes	mortgage	-----	"	"	"	I. A. of A. M.	yes
2913	"	no	"	"	"	-----	"	neither	"	"	-----
2914	"	"	"	"	"	-----	"	"	"	"	-----
2915	no	"	"	"	"	13 00	"	"	yes	no	-----
2916	"	"	"	"	"	12 00	"	"	"	"	-----
2917	yes	500	7%	yes	"	-----	"	increased	"	I. A. of A. M.	yes
2918	no	"	"	"	"	-----	"	neither	"	no	-----
2919	"	"	"	"	"	12 00	"	"	"	"	-----
2920	"	"	"	"	"	-----	"	"	"	I. A. of A. M.	yes
2921	yes	no	"	"	"	-----	"	"	no	no	-----
2922	no	"	"	"	"	10 50	"	"	yes	B. of L. E.	"
2923	yes	no	"	"	"	-----	"	"	"	"	-----
2924	no	"	"	"	"	-----	"	"	"	"	-----
2925	"	"	"	"	"	-----	"	"	"	"	-----
2926	"	"	"	"	"	-----	"	"	"	"	-----
2927	"	"	"	"	"	-----	"	"	no	"	-----
2928	"	"	"	"	"	-----	"	"	yes	"	-----
2929	yes	500	7%	yes	"	-----	"	"	no	"	-----
2930	no	"	"	"	"	-----	neither	neither	yes	"	-----
2931	"	"	"	"	"	8 00	increased	increased	no	"	-----
2932	"	"	"	"	"	-----	neither	neither	"	"	-----
2933	"	"	"	"	"	5 50	"	increased	"	"	-----
2934	"	"	"	"	"	6 00	"	"	"	"	-----
2935	yes	600	7%	yes	mortgage	-----	"	"	yes	"	-----
2936	no	"	"	"	"	-----	"	"	"	"	-----
2937	"	"	"	"	"	4 00	"	"	no	B. of L. F.	yes
2938	"	"	"	"	"	8 50	neither	neither	yes	"	-----
2939	"	"	"	"	"	-----	"	"	"	"	-----
2940	yes	400	7%	yes	mortgage	-----	"	increased	"	"	-----
2941	"	150	7%	"	"	-----	"	"	"	"	-----
2942	"	350	7%	"	contract	-----	neither	increased	"	"	-----

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurances.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	no			good	none	
		no	"	"	"			"	inj'd jump. f'm ladder	
		yes	"	"	"			"	none	
		"	"	"	yes			"	"	
		"	"	"	no			"	"	
		"	"	"	"			"	"	
yes	yes	no	"	"	"			fair	"	
		"	"	"	"			good	"	
		yes	yes	"	yes	no	same	"	"	
		"	"	"	"			"	"	
yes	yes	no	no	"	no	yes		"	"	
"	"	"	"	"	no	no		"	crushed foot	
"	"	"	"	"	"	no		"	none	
"	"	"	"	"	"	no	same	"	"	
		yes	"	"	"	no		"	crushed foot	
yes	yes	no	no	no	yes	"		"	none	
"	"	yes	yes	"	"	"		"	"	
"	"	no	no	"	"	no	less	"	loss of two fingers	
		"	"	"	no			good	none	
yes	yes	"	"	"	"			"	"	
		"	"	"	"			"	"	
yes	yes	"	"	"	"	no	less	"	"	
"	"	"	"	"	"			"	"	
		yes	"	"	no	same		"	loss of one finger	
		"	"	"	"			"	none	
yes	yes	yes	yes	"	yes	no	less	"	"	
"	"	no	no	"	no	yes	same	"	"	
"	"	"	"	yes	yes	no	less	"	"	
yes	yes	yes	no	"	"			bad	"	
"	"	no	"	"	"			"	"	
		yes	yes	no	"			good	"	
		"	"	yes	"			"	"	
		yes	no	no	"	yes	same	none	"	
yes	yes	no	yes	no	yes			good	"	
		yes	no	"	"			"	"	
yes	yes	no	yes	yes	"			"	"	
"	"	yes	"	"	"			"	"	
		no	no	no	no	no	more	"	"	
		"	yes	no	yes			"	"	
		"	no	yes	no			"	"	
		"	"	no	yes			"	"	
		"	"	no	yes	no	less	"	injured about head	
		yes	"	"	"			"	lost a finger	
		no	"	"	"			"	none	
		"	"	"	"			"	injured foot	
		"	"	"	"			"	none	
		"	"	yes	"			"	"	
		yes	"	"	"			"	"	
yes	yes	no	yes	yes	yes	yes	less	"	"	
		yes	no	no	"			good	train runaway accid't	
		yes	yes	no	no			"	none	
		no	no	yes	yes			"	"	
		yes	yes	"	no			"	"	
		no	no	"	yes			"	"	
		yes	yes	"	no			"	"	
		no	no	yes	yes			"	"	

Own a lot.

TABLE No. 1.—Continued from page 57.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2504	yes	no					neither	increased	yes	no	
2506								neither			
2521		\$800	8%	yes	contract						
2525		900	8%				increased	inc. 20%	no	B. of R. T.	yes
2526								increased	yes		
2527	no	no					neither	neither		no	
2528								increased			
2529								neither			
2530						\$8 00				B. of R. T.	yes
2531										no	
2532						8 00				B. of R. T.	yes
2533						8 00				no	
2534						8 00					
2535										B. of R. T.	
2536										no	
2537											
2538										B. of R. T.	
2539						11 00	neither	neither	no	no	
2540	yes	500	8%	no	mortgage			increased	yes		
2541	no							neither			
2542								neither		B. of R. T.	yes
2543							increased	increased			
2544	yes							increased	no		
2545	no	no				5 00	neither	neither	yes	B. of R. T.	yes
2546	yes	no									
2547	yes	no						decreased		B. of R. C. M.	no
2548							increased	increased		no	
2549	no					7 00	neither	neither		B. of R. C. M.	
2550											
2551						6 00	increased	increased	no		no
2552							neither	neither	yes	no	
2553	no					5 00	increased	increased	no		
2554							neither	neither	yes		
2555						5 00		increased	no		
2556								neither	yes		
2557											
2558	no					10 00	increased	increased	no		
2559						6 00	neither	neither	yes		
2560						4 00			no		
2561									yes		
2562									no		
2563	yes						increased	increased	yes		
2564	no							neither	no		
2565							neither	decreased	yes		
2566								increased	no		
2567						8 00		neither	yes	B. of L. F.	yes
2568						12 00				no	
2569	yes	no									
2570											
2571											
2572	no										
2573	yes	no					increased	increased	yes		
2574	no							neither	no		
2575							neither	decreased	yes		
2576						8 00		increased	no		
2577						12 00		neither	yes		
2578	yes	no									
2579											
2580											
2581	no										
2582	no										
2583	yes	no				6 25	increased				
2584	no							neither			
2585							neither	increased		no	
2586	yes	250	7%	yes	mortgage		increased	neither			
2587	no						neither	neither			

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	yes	yes	yes	same less	good	none	
yes	yes	no	no	no	no	no	same	"	"	
"	"	yes	"	"	"	"	"	"	broken leg	
		no	yes	"	yes	yes	same	"	injured back	
		"	no	"	"	"	"	"	none	
yes	yes	"	yes	"	"	"	"	"	none	
		yes	no	"	no	"	"	bad	"	
yes	yes	no	yes	"	yes	"	"	good	"	
		"	no	"	no	"	"	"	"	
		yes	yes	"	yes	"	"	"	"	
		no	no	"	no	"	"	fair	"	
		no	no	"	yes	"	"	good	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	no	"	"	"	"	
		no	yes	"	yes	"	"	"	"	
yes	yes	yes	no	"	no	no	less	"	"	
"	"	no	no	"	yes	no	"	"	"	
		"	yes	"	no	"	"	"	"	
yes	yes	yes	no	no	yes	"	less	"	lost finger, etc.	
		no	yes	"	yes	yes	same	"	injured foot	
yes	yes	yes	no	no	yes	"	"	"	none	
		"	"	"	"	"	"	"	"	
		yes	yes	yes	yes	yes	same	"	"	
yes	yes	no	yes	no	yes	"	"	"	crushed hand	
		"	no	no	"	"	"	"	none	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
		"	"	"	no	no	less	fair	"	
		"	"	"	yes	no	"	good	"	
		"	"	"	no	"	"	bad	"	
		"	"	"	yes	yes	same	good	"	
		"	"	"	no	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	yes	"	"	bad	"	
		"	"	"	no	"	"	good	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
yes	yes	no	no	"	yes	"	"	fair	"	
		"	"	"	no	yes	same	good	"	
		"	"	"	"	"	"	"	"	
		"	"	"	yes	yes	same	"	"	
		yes	"	"	"	"	"	"	"	
		"	no	"	no	"	"	"	"	
		"	no	no	yes	"	"	"	injured eye and leg	
		"	yes	"	"	"	"	"	none	

TABLE No. 1.—Continued from page 59.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2655	yes	\$200	7%	yes	mortgage		neither	neither	no		
2656	yes	no				\$5 00	neither	decreased	yes		
2657	yes	no				10 00	neither	neither	yes		
2658						10 00					
2659						8 00					
2660						5 00		increased			
2661						5 00	increased	neither	no		
2662						6 00	neither	increased			
2663						5 00		neither			
2664									yes		
2665											
2666						5 00					
2667						5 00					
2668											
2669											
2670						5 00					
2671											
2672						5 00					
2673											
2674						5 00		increased	no		
2675						5 00		neither			
2676	yes	no					increased	inc. 10%			
2677							neither	neither	yes		
2678	yes	no					increased	increased			
2679							neither		no		
2680	no						increased				
2681						8 00	neither	neither			
2682											
2683						6 00		increased			
2684								neither	yes		
2685											
2686									no		
2687						3 50					
2688									yes		
2689									no		
2690									yes		
2691											
2692									no		
2693						5 50		increased			
2694								neither			
2695							increased	increased			
2696							neither	neither			
2697						6 00	increased	increased			
2698							neither	neither	yes		
2699											
2700						10 00			no		
2701									yes		
2702						8 50			no		
2703											
2704						4 00		increased			
2705								neither			
2706											
2707								neither	yes		
2708	no						neither				
2709											
2710								increased			
2711								neither	no		
2712						7 00	increased	increased			
2713						7 00					
2714							neither	neither	yes		
2715											
2716						5 00		increased			
2717								neither			
2718						5 50					
2719									no		
2720									yes		
2721											
2722											
2723											

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	yes	no			good	none	
				no	yes			"	"	
				"	"	yes	less	"	"	
		no	no	no	no	"	same	"	"	
		"	yes	no	"	"	less	"	"	
	yes	"	"	"	yes	"	"	"	"	
	no	"	"	"	"	yes	less	"	"	
	yes	"	yes	"	no	"	"	"	"	
	"	"	"	"	yes	"	"	"	"	
	"	"	no	"	"	"	"	"	both hands broken	
	no	yes	"	"	"	no	same	"	none	
	yes	no	"	"	"	no	same	"	"	
		yes	"	"	no	yes	less	"	"	
	yes	yes	"	"	yes	yes	same	"	sprained arm	
	no	"	yes	no	yes	yes	same	"	none	
	"	"	"	"	"	"	"	"	"	
	yes	"	"	"	"	no	same	"	"	
	no	"	"	"	"	"	"	"	"	
	"	"	yes	"	no	"	"	"	"	{ Wages raised on account of extra work.
	"	"	"	"	"	"	"	"	"	
	"	"	no	"	yes	"	"	"	"	
	"	"	"	"	no	"	"	"	"	
	"	"	"	"	yes	"	"	"	"	
	"	"	"	"	no	"	"	"	"	
	"	"	"	"	yes	yes	same	"	"	
	"	no	no	"	"	no	"	none	"	
	"	"	"	"	"	no	"	good	"	
	"	"	"	"	yes	no	same	"	"	
					yes	yes	less	"	"	
					"	yes	less	"	"	
	no	no	no	no	no			"	rupture	
	"	"	"	"	"	"	"	"	none	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	no	same	"	"	
	"	"	"	"	"	"	"	"	"	
	yes	"	"	"	yes	no	same	"	"	
	no	"	"	"	no	"	"	"	"	
	yes	"	"	"	yes	"	"	"	"	
	no	"	"	"	no	"	less	"	"	
	"	"	"	"	"	"	"	"	"	
	"	yes	"	"	"	"	same	good	"	
	"	no	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	
	yes	"	"	"	"	"	"	"	"	
	"	yes	"	"	"	"	"	"	"	
	no	no	"	"	no	"	"	"	"	
					yes	"	"	"	"	

TABLE No. 1.—Continued from page 61.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2724	no						neither	neither	yes	no	
2725	"					\$4 00	"	"	no	"	
2726	"						"	"	"	"	
2727	"						"	"	"	"	
2728	"					5 50	"	"	"	"	
2729	"						"	"	yes	"	
2736	"									"	
2767	yes	no					neither	neither	"	"	
2788	no						"	"	"	"	
2789	"						"	"	"	"	
2790	"								"	"	
2791	"						neither		"	"	
2792	no					7 50	"	neither	no	"	
2793	yes	150	8%	yes	mortgage		"	increased	yes	"	
2794	no							neither	yes	"	
2795	"						"	"	"	"	
2796	yes	no					"	"	no	"	
2797	"	"					"	"	yes	"	
2798	"						"	"	"	"	
2799	no						"	"	"	"	
2800	"					9 00	"	"	no	"	
2801	"					5 50	increased	increased	yes	"	
2802	"						neither	neither	"	"	
2803	"						"	"	"	"	
2804	"					8 00	"	"	no	"	
2805	yes	no					"	"	yes	"	
2806	no						"	"	"	"	
2807	yes	no				6 50	"	"	"	"	
2808	"						"	"	"	"	
2809	no						"	"	"	"	
2810	"						"	"	"	"	
2811	"						"	"	"	"	
2812	yes	no					"	"	"	"	
2813	no					9 50	"	"	no	"	
2814	"						"	"	yes	"	
2815	"						"	"	"	"	
2816	yes						"	"	"	"	
2817	"	no					"	"	"	"	
2818	no						"	"	no	"	
2819	"						"	"	yes	"	
2820	"						"	"	"	"	
2821	"					8 00	"	"	no	"	
2822	"					5 00	"	"	"	"	
2823	"						"	"	yes	"	
2824	"						"	"	"	"	
2825	"					5 00	"	increased	"	"	
2826	yes	no					"	"	"	"	
2827	no					5 50	increased	"	no	"	
2828	"						neither	neither	yes	"	
2829	yes	no					"	"	no	"	
2830	"								"	"	
2831	yes	no					neither	"	"	"	
2832	no							"	"	"	
2833	"					5 00	neither	"	yes	"	
2834	yes	no					"		"	"	
2835	"						"		"	"	
2836	"						"		"	"	
2837	"						"	neither	"	"	
2838	"						"	"	"	"	
2839	no						"	"	"	"	
2840	yes	88	7%	yes	mortgage		increased	increased	"	"	
2841	"	200	7%	"	"		neither	"	yes	"	
2842	"	no					"	neither	"	"	
2843	"	200	7%	yes	mortgage		"	increased	no	"	
2844	"						"	neither	"	"	
2845	yes						"	increased	"	"	

Railway employés.

[illegible]

TABLE No. 1.—Continued from page 63.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2902							neither	neither	yes	no	
2903	yes	\$250	7%	yes	contract		"	"	"	"	
2904	no						"	"	"	"	
2905	yes	no					"	"	"	"	
2906	no					\$8 00	"	increased	no	"	
2907	"						"	neither	"	"	
2908	"						"	"	"	"	
2909	"						"	"	"	"	
2910	yes	600	8%	no	contract		increased	increased	"	"	
2911	no					6 50	"	"	"	"	
2912	"						neither	neither	"	"	
2913	yes	no					"	"	yes	"	
2914	"	600	7%	no	contract		"	increased	no	"	
2915	no					15 00	"	neither	"	"	
2916	"					5 00	"	"	"	"	
2917	"						"	"	"	"	
2918	yes	no					increased	increased	yes	"	
2919	no						neither	neither	"	"	
2920	"						"	"	"	"	
2921	no						"	"	"	"	
2922	"					3 50	"	"	no	"	
2923	yes	375	7%	yes	mortgage		"	"	yes	"	
2924	no						"	"	"	"	
2925	yes	no					increased	increased	"	"	
2926	no					3 50	neither	"	no	"	
2927	"						"	"	yes	"	
2928	"						"	neither	"	"	
2929	"						"	"	"	"	
2930	"						"	increased	no	"	
2931	"						"	neither	"	"	
2932	yes	800		yes	contract		"	"	yes	"	
2933	no					22 00	increased	increased	"	"	
2934	yes	no					neither	"	"	"	
2935	no					5 00	"	"	"	"	
2936	"						"	"	"	"	
2937	"						neither	neither	"	"	
2938	yes	no					"	"	"	B. of R. T.	yes
2939	"						increased	increased	"	"	
2940	no					10 00	"	"	no	B. of L. F.	"
2941	yes	825	7%	yes	contract		neither	neither	yes	B. of R. C. M.	no
2942	no					9 00	"	"	"	no	
2943	"						"	"	"	"	
2944	no					7 00	"	"	"	"	
2945	"						"	"	"	"	
2946	"						neither	neither	"	"	
2947	"					8 50	"	"	no	B. of R. T.	yes
2948	"						neither	neither	"	no	
2949	"						"	"	no	"	
2950	"						"	"	"	"	
2951	no						neither	neither	"	"	
2952	yes	no					"	"	yes	"	
2953	no					22 00	increased	increased	"	B. of L. E.	yes
2954	"					14 00	neither	"	"	"	"
2955	"					7 00	increased	increased	"	no	
2956	"						neither	"	"	B. of L. F.	yes
2957	"					10 00	increased	"	"	"	
2958	"						"	"	"	no	
2959	yes	400	6%	yes	contract		neither	neither	"	"	
2960	"						increased	increased	"	"	
2961	no						neither	neither	"	"	
2962	"						"	"	"	"	
2963	no						"	"	"	"	
2964	"						"	"	"	"	
2965	"						"	"	"	"	
2966	yes	700	7%	yes	contract		"	"	"	"	
2967	no						"	increased	"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no			good	none	
		"	"	"	yes			"	"	
		"	"	"	no	no	same	"	back injured	
		"	"	"	no			"	head cut	
		"	yes	"	yes			"	none	
		"	no	"	no			"	"	
		"	"	"	yes	no	less	"	hand injured	
		"	"	"	yes	"	"	"	none	
		"	"	"	no			"	"	
		"	"	"	"			bad	"	
		"	"	"	"			good	broke shoulder blade*	
		"	"	"	"			"	none	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	leg fractured	
		"	"	"	"			"	none	
		no	no	no	yes	yes	same	"	"	
		yes	no	"	"	"	"	"	"	
		yes	yes	yes	no	no	same	"	"	
		no	no	no	yes	yes	less	none	"	
		"	"	"	"	"	"	bad	"	
		"	"	"	"	"	"	good	"	
yes	yes	no	no	"	"	no	less	"	"	
"	"	yes	no	no	yes	"	same	"	"	
"	"	yes	no	yes	yes	"	"	"	hand smashed	
		no	no	no	yes			"	none	
		yes	no	no	no			"	"	
		yes	yes	no	yes			"	"	
yes	yes	"	"	"	no			"	two fingers smashed	
		no	no	"	"			"	none	
		"	"	"	no			"	"	
		"	"	"	yes			"	"	
		yes	"	"	no			none	"	
yes	yes	no	yes	"	yes			bad	lost a finger	
"	"	yes	no	"	"			"	none	
yes	yes	no	"	"	no			none	"	
"	"	yes	"	"	yes			"	"	
"	"	no	"	"	no			"	"	
"	"	yes	"	"	"			"	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	"			"	"	
"	"	no	"	"	"			"	"	
"	"	yes	yes	"	"			"	"	
"	"	"	no	"	yes	no	less	"	"	

Will not give salary.
Refuses to tell wages.

* and jaw bone.

TABLE No. 1.—Continued from page 65.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
2968	no					\$12 00	increased	increased	yes	no	
2969	"						neither	"	"	"	
2970	"					14 00	"	neither	"	"	
2971	"						increased	increased	"	"	
2972	yes	\$400	7%	yes	contract				"	"	
2973	no	no					increased	increased	"	"	
2974	no	no					neither	neither	"	"	
2975	"					15 00		increased	"	"	
2976	"					8 00		neither	"	"	
2977	"					8 00	increased	increased	"	"	
2978	"					10 00		neither	"	"	
2979	yes	no					neither	"	"	"	
2980	"	800	7%	yes	contract				"	"	
2981	no					13 00		increased	"	"	
2982	yes	1,100	7%	yes	contract		increased	"	"	"	
2983	no	no					neither	"	"	S. M. A. A.	yes
2984	no	900	7%	yes	contract				"	B. of R. T.	"
2985	no						increased	"	"	no	
2986	"					10 00		increased	"	S. M. A. A.	yes
2987	yes	300	7%		mortgage			"	"	"	
2988	no							"	"	no	
2989	"					10 00	neither	"	"	S. M. A. A.	yes
2990	"					8 00	increased	"	"	no	
2991	"						neither	neither	"	S. M. A. A.	yes
2992	"					10 00	increased	increased	"	no	
2993	"					10 00		"	"	S. M. A. A.	yes
2994	"						neither	neither	"	B. of R. T.	"
2995	"						increased	increased	"	S. M. A. A.	"
2996	"						neither	neither	"	no	
2997	"					15 00		decreased	"	"	
2998	"					13 00	increased	increased	"	B. of R. T.	no
2999	"							"	"	no	
3000	"					7 00	neither	neither	"	B. of R. T.	no
3001	yes	no					increased	increased	"	no	
3002	no						neither	neither	"	"	
3003	"						increased	increased	"	"	
3004	no						neither	neither	"	"	
3005	"						increased	increased	"	"	
3006	"							"	"	"	
3007	yes	600	7%	yes	contract			"	"	"	
3008	no	400	7%	"	"		neither	neither	"	"	
3009	"	no						"	"	"	
3010	no	no						"	"	"	
3011	yes	500	7%	yes	contract			increased	"	"	
3012	no	no						neither	"	"	
3013	"							"	"	"	
3014	no							"	"	"	
3015	"							"	"	"	
3016	"					5 00		"	"	"	
3017	"					8 00	increased	increased	"	"	
3018	"							"	"	"	
3019	"						neither	"	"	"	
3020	"							neither	"	"	
3021	"					4 00		increased	"	"	
3022	"					10 00	increased	"	"	"	
3023	"					3 50		"	"	"	
3024	yes	700	7%	yes	contract		neither	neither	"	"	
3025	no							increased	"	"	
3026	"							neither	"	"	
3027	"					7 00		"	"	"	
3028	"					15 00		"	"	"	
3030	"					10 00			"	B. of R. T.	yes
3031	"					12 00	neither	"	"	no	
3032	"					10 00	increased	decreased	"	"	
3033	"					13 00	neither	neither	yes	"	

[illegible]

TABLE No. 1.—Continued from page 67.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3084	no					\$5 00	neither		yes	B. of R. T.	yes
3085	no						neither	neither	no		
3086	yes									O. of R. C.	
3087	no					13 00					
3088	no					10 00	increased		no		
3089	yes	\$780	6%	yes	contract				no	B. of R. T.	yes
3090	no								no		
3091	no					18 00	increased	increased	no		
3092	no						neither	neither	yes	O. of R. C.	no
3093	yes										
3094	no					15 00		neither			
3095	no					20 00			no	O. of R. C.	no
3096	no								yes	B. of R. T.	yes
3097	no							neither	no		
3098	no					15 00			no	O. of R. C.	no
3099	no					5 50	increased	neither	yes		
3100	no					16 00	neither	decreased	no	O. of R. C.	yes
3101	no					10 00	increased				
3102	no					14 00	neither				
3103	no					9 00	increased			B. of L. E.	
3104	no					14 00		increased			yes
3105	no						neither	neither			
3106	yes	no				14 00	increased	increased			yes
3107	no										
3108	no					20 00			yes		yes
3109	yes	no					neither				
3110	no					10 00	increased	increased	no		
3111	yes	no					neither	decreased	yes		
3112	no										
3113	yes	no					neither	neither		B. of L. F.	
3114	no	yes*					increased	increased		B. of L. F.	
3115	no						neither	neither			
3116	no						increased				
3117	no						neither				
3118	no						increased	increased			
3119	no						neither				
3120	no						neither				
3121	no						neither				
3122	no						neither				
3123	no					10 00	increased	increased		B. of L. F.	yes
3124	no					14 00	increased	increased			
3125	no						neither				
3126	yes	200	7%	yes	mortgage	8 00	increased	increased	no	B. of L. F.	yes
3127	no						neither		yes		
3128	no					10 00	increased	increased			
3129	no					9 00					
3130	no					10 00					
3131	yes	no									
3132	no					11 00					
3133	no					5 00	neither	decreased	no	B. of L. F.	yes
3134	no					8 00	increased				
3135	no						neither		yes		
3136	no										
3137	no								yes		
3138	no										
3139	no										
3140	yes	250	7%	no	contract		increased	increased	no		

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health	What accidents, if any have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	yes	yes	yes			good	spine injured	
"	"	"	no	"	"			bad	none	
"	"	"	no	"	"			bad	"	
yes	yes	no	"	yes	no			none	"	
yes	no	yes	yes	no	yes			bad	finger bruised	
		no	yes	no	no			good	none	
		yes	yes	yes	yes			"	"	
		"	no	yes	"			"	"	
yes	no	"	"	yes	"			"	none of importance	
"	yes	no	no	yes	yes			bad	injured in a wreck	
"	"	"	"	"	"			good	none	
		yes	yes	no	"			none	back injured	
yes	yes	"	no	"	"			good	none	
		"	yes	yes	"			fair	"	
								good	"	
yes	yes	yes	yes	yes	no			bad	spine injured	
"	no	no	no	"	no			"	none	
"	"	"	"	"	"			good	"	
"	"	"	"	"	yes			"	"	
"	yes	yes	yes	"	"			"	"	
"	"	no	no	"	no			bad	"	
"	"	yes	no	"	yes			good	"	
"	"	"	yes	"	"			bad	"	
"	"	yes	yes	"	"			"	spine injured	
"	"	"	"	"	"			"	none	
"	"	"	no	no	"			none	bruised in collision	
"	no	no	"	yes	yes			good	none	
"	yes	no	"	"	"			none	back injured	
yes	yes	"	"	"	no			bad	none	
		"	"	"	"			"	"	
		"	"	"	"			good	"	
yes	yes	"	"	"	no			bad	"	
"	"	"	"	"	yes			"	nothing serious	
		"	"	"	"			"	none	
		no	yes	no	no			none	"	
		"	"	"	"			good	"	
		"	"	"	"			bad	"	
yes	"	no	no	"	"			"	"	
"	yes	"	yes	no	"			good	"	
"	"	"	no	"	"			"	"	
"	"	"	no	"	"			"	"	
yes	yes	yes	no	no	no			fair	"	
"	"	no	no	yes	yes			bad	"	
"	"	"	"	no	"	yes	same	good	"	
		yes	yes	"	"			"	"	
yes	yes	no	no	no	no			bad	injured in collision	
		yes	no	yes	yes			"	lost three toes	
		no	no	no	"			good	none	
		yes	"	"	"			"	"	
		no	"	"	no			"	"	
		"	"	"	"			"	"	
		yes	yes	no	yes			bad	"	
		"	"	"	"			none	"	
		no	"	"	yes			bad	crashed while coupling cars	

TABLE No. 1.—Continued from page 69.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8097	yes	no					neither		no	no	
8098	no							decreased	yes		
8099	yes	no								S. M. A. A.	yes
8100	no					\$9 00	increased	increased	no	B. of R. T.	no
8101							neither	neither	yes	no	
8102	yes						increased		no		
8108	no					7 00			yes		
8104							neither	neither	yes		
8105							increased	increased			
8106	no					10 00	neither				
8107						10 00	increased	increased		B. of R. T.	yes
8108							neither			no	
8109						9 00	increased	neither			
8110							neither				
8111											
8112						10 00			no		
8113								neither	yes		
8114						9 00			no		
8115									yes		
8116									no		
8117									yes	B. of R. T.	yes
8118									no	no	
8119									yes		
8120							increased		no		
8121	yes										
8122	no					8 00	neither	neither	yes	no	
8123									no		
8124						5 00	neither	decreased	yes	O. of R. T.	yes
8125						5 00		neither	no	no	
8126									yes		
8127	yes	no							no		
8128							increased	increased	no		
8129							neither	decreased	no		
8130								neither	yes		
8131								increased	no	no	
8132	no					10 00		increased	yes	O. of R. T.	yes
8133	yes	no					increased			no	
8134								inc. 5%	no	O. of R. T.	yes
8135	no					6 00		increased	no		
8136	yes	no					neither	neither		O. of R. C.	no
8137	yes	no				16 50	increased	increased		no	
8138	no						neither	neither	yes	O. of R. T.	yes
8139						6 50			no		
8140								neither	yes	no	
8141	yes	no							no		
8142	no					5 00					
8143	yes	no					increased	increased	no		
8144	no										
8145	yes	no					neither	decreased	yes	O. of R. T.	yes
8146	no					5 00		neither		no	
8147									no		
8148									yes		
8149											
8150	no					8 00					
8151							neither			no	
8152						3 50					
8153						10 00			yes	no	
8154	yes	no						increased	no		
8155	no					5 00			yes		
8156	yes	no					neither	decreased		O. of R. T.	yes
8157	no					5 00	increased	increased	no		
8158							neither		yes	no	
8159						12 00					
8160	no					13 00	neither				
8161						6 00	increased	increased			

253.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	yes			good	none	
yes	yes	no	no	"	"			"	nothing serious	
		yes	yes	no	no			bad	none	
		"	"	"	yes			good	left arm crushed	
		no	"	"	"			"	foot crushed	
		no	"	"	"			"	none	
yes	yes	"	no	"	"			bad	smashed hand	
		yes	yes	"	no			good	none	
		no	no	"	yes			bad	lost one finger	
		"	yes	"	"			"	lost finger and thumb	
		no	no	"	"			"	none	
yes	yes	no	yes	"	"	yes	less	"	hurt coupling cars	
		yes	no	"	"			bad	none	
		yes	yes	"	"			good	crushed hand and*	
				"	"			bad	none	
				"	"			good		
									broken arm	
		no	no	no	yes			good	hand crushed.	
yes	yes	yes	no	no	no			good	none	
		yes	yes	yes	"			"	"	
		no	no	no	"			none	"	
		"	"	"	yes			bad	"	
		no	no	yes	no			bad	none	
	yes	yes	no	yes	"			good	"	
		"	yes					"	"	
yes	yes	no	no	yes	yes			bad	"	
		yes	yes	no	"			good	"	
yes	no	no	no	no	no			good	"	
		yes	"	"	"			"	"	
								good	"	
		yes	no	yes	no			"	"	
		no	yes	"	yes			none	"	
no	no	"	no	yes	yes			bad	"	
		"	"	"	no			good	"	
				no	no			bad	"	
				no	no			good	"	
		no	no	no	no			none	"	
		no	no	no	yes			none	none	
		yes	yes	no	"			"	"	
		no	no	"	"			good	none	
yes	yes	yes	"	no	"			"	"	
		no	"	yes	"			"	"	
		"	"	no	yes			none	"	
		yes	yes	"	no			good	"	
		no	no	no	"			"	"	

* injured internally.

TABLE No. 1.—Continued from page 71.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3162	no						increased		yes	no	
3163	yes	\$400	8%	yes	mortgage		"	increased	"	"	
3164	no						neither	neither	"	"	
3165	"					\$10 00	increased	increased	no	"	
3166	"					6 00	"	"	yes	"	
3167	"						neither	neither	"	"	
3168	"						"	"	"	"	
3169	yes	600	7%	yes	mortgage		increased	increased	"	"	
3170	no						neither	"	"	"	
3171	"						"	"	no	"	
3172	"						"	"	yes	"	
3173	"						"	"	"	"	
3174	yes	no					"	neither	"	"	
3175	no					10 00	"	"	"	"	
3176	yes	no					increased	increased	"	"	
3177	no						neither	"	"	"	
3178	yes	800	7%	yes	mortgage		increased	increased	"	"	
3179	no						"	"	"	"	
3180	"						"	"	"	"	
3181	"						neither	"	"	"	
3182	"						"	"	"	"	
3183	"						increased	"	"	"	
3184	"						"	"	no	"	
3235	no						neither	increased	"	"	
3236	"					12 00	"	neither	yes	"	
3237	"						increased	"	no	"	
3238	"					5 00	neither	neither	"	"	
3239	yes	500	7%	yes	contract		increased	"	yes	"	
3240	"					8 00	"	increased	no	"	
3241	no					6 00	neither	"	"	"	
3242	"					8 00	increased	increased	yes	"	
3243	"					6 00	"	neither	"	"	
3244	yes	700	7%	no	contract		"	"	"	"	
3245	no					8 00	"	"	"	"	
3246	"					7 00	"	increased	no	"	
3247	"					9 00	"	"	"	"	
3248	"					7 00	"	"	"	"	
3249	"					7 00	"	neither	"	"	
3250	"						neither	"	yes	"	
3251	"					4 00	increased	increased	no	"	
3252	"					5 50	"	"	"	"	
3253	"					10 00	"	"	"	"	
3254	yes	no					neither	neither	yes	"	
3255	no						increased	increased	no	"	
3256	"						neither	"	"	"	
3257	"						"	"	yes	"	
3258	"						"	"	"	"	
3259	"						"	"	"	"	
3271	yes	no					neither	neither	"	"	
3272	"	1,000	7%	yes	mortgage		"	"	"	"	
3273	"	no					"	neither	"	"	
3274	"	no					"	"	"	"	
3275	no					8 00	increased	increased	"	"	
3276	yes	no					neither	neither	"	"	
3277	no						"	"	"	"	
3278	yes	no					increased	"	"	"	
3279	no						neither	"	no	"	
3280	"					9 00	"	"	yes	"	
3281	"					8 00	"	"	no	"	
3282	"					10 00	"	"	"	"	
3283	yes	700	7%	yes	contract	6 00	"	"	yes	"	
3284	no					15 00	"	"	no	"	
3285	"						"	"	yes	"	
3286	"						"	"	no	"	
3287	yes	800	8%	yes	mortgage	7 00	increased	increased	yes	"	
3288	"	no					neither	"	"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no			good	none	
		yes	"	"	yes			bad	"	
		no	"	"	"	yes	less	good	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	"	none	
		no	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	fell into clinker pit	
		"	"	"	"	"	"	"	none	
		"	"	"	"	"	"	none	"	
		"	"	"	"	"	"	good	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	yes	"	"	"	"	
		yes	"	"	"	"	"	none	"	
		no	"	"	no	"	"	bad	"	
		no	"	"	"	"	"	good	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	none	"	
		no	"	"	"	"	"	good	"	
		yes	no	no	yes	yes	less	"	"	
		"	"	"	"	"	"	"	"	
		"	yes	no	yes	"	"	none	"	
		yes	"	"	"	yes	less	good	"	
		no	"	no	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	yes	same	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	no	"	"	"	"	
		yes	no	"	yes	"	"	"	"	
		no	yes	no	no	"	"	"	"	
		yes	"	yes	no	"	"	bad	"	
		no	no	no	no	"	"	good	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	yes	yes	less	none	"	
		no	yes	"	yes	yes	less	good	"	
		"	no	"	no	no	less	"	trunk fell on my foot	
		yes	no	no	"	"	"	"	none	
		no	"	no	"	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	no	"	"	bad	"	
		"	"	"	yes	"	"	good	"	
		"	"	yes	no	yes	same	bad	"	
		"	"	yes	"	"	"	"	"	
		yes	"	no	"	"	"	"	"	
		no	"	"	"	"	"	"	"	
		yes	"	no	yes	"	"	"	"	

TABLE No. 1.—Continued from page 73.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3289	no					\$10 00	neither	neither	yes	no	
3290	no					9 00	neither	neither	no		
3291	yes	\$400	7%	yes	contract		increased	increased	yes		
3292	no								no		
3293	no						neither		yes	no	
3294	yes	300	8%	yes	contract			neither			
3295	no	350	8%		mortgage		increased	increased			
3296	no					7 00	neither	neither			
3327	yes	no							no		
3328	no	1,000	7%	yes	mortgage		neither		yes		
3329	no	no						neither			
3330	no					6 00			no		
3331	yes	200	7%	yes	mortgage				yes		
3332	no	no						neither	no		
3333	no						increased	inc. 10%	yes		
3334	no					6 50		neither	no		
3335	yes	no									
3336	no					3 00					
3337	no					5 00					
3338	no					3 00					
3339	yes	no					inc. 10c day				
3340	no	800	7%		contract		neither	neither			
3341	no	900	7%	yes					yes		
3342	no					12 00					
3343	yes	700	7%	no	mortgage				no		
3344	no										
3345	no					5 00	neither	neither	yes		
3346	yes	700	7%	yes	mortgage						
3347	no										
2848	no						neither		no		
3349	yes	600	7%	yes	mortgage		increased	increased	yes	I. A. of A. M.	yes
3350	no	300	6%							no	
3351	no									I. A. of A. M.	
3352	yes	500	7%		mortgage		neither	neither	no	no	
3353	no	800	7%	yes	contract		increased	decreased	yes	I. A. of A. M.	yes
3354	no	350	8%		mortgage		neither	neither		no	
3355	no						increased	increased			
3356	no	425	7%	yes	mortgage		neither	neither			
3357	no	680	7%		contract						
3358	no					8 50			no		
3359	yes	no							yes		
3360	no	200	8%	yes	contract						
3361	no					10 00					
3262	no					12 00		increased			
3363	no					8 00	increased	inc. 3%		I. A. of A. M.	
3364	no					8 00		increased		no	
3365	yes	500	7%	yes	mortgage		neither				
3366	no	1,000	7%		contract			neither			
3267	no	50	7%	yes							
3368	no										
3369	no					10 00			yes		
3370	yes	300	6%	yes	mortgage			increased		I. A. of A. M.	yes
3371	no	450	7%				increased			no	
3372	no						neither	neither		I. A. of A. M.	
3373	yes	no							no	no	
3374	no	1,500	7%		contract		increased	increased	yes		
3375	no	700	7%		mortgage		neither	neither			
3396	no					3 50			no		
3397	no										
3398	no					5 00					
3399	no										
3400	no								no		
3401	no					15 00	increased	increased	yes		
3402	no						neither		no		
3403	yes					9 00	increased	increased	yes		
3404	yes	300	7%		mortgage						

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no		yes			good	none	
		no						"	"	
		yes	yes		no			"	"	
		no						"	"	
		no	no	yes	no			good	"	
		yes	"		"			"	"	
		no	"		yes			"	"	
		yes	no					good	"	
		yes	no	yes	yes			"	"	
		"	"	no	"			"	"	
		"	"	yes	"			"	"	
		no	"		no			"	"	
		yes	"		yes	yes	same	none	"	
		"	"	no	"			good	"	
		no	yes	"	"			"	"	
		yes	no	"	"			"	"	
		"	no	"	yes	same		"	"	
		yes	yes		no			"	"	
		no	no		yes			"	"	
		yes	"	no	"			"	"	
		no	"	no	"			"	"	
		"	"		no	yes	same	"	"	
		"	"		yes			"	"	
yes	yes	yes	no	no	yes	yes		"	"	
yes	yes	"		no	"			"	"	
yes	yes	"	yes	"	"	yes		"	"	
yes	yes	no	no	yes	"	yes	same	"	"	
		yes	"	"	no			"	"	
		no	"	"	yes			"	"	
		"	no	no	"			"	finger broken	
		"	"	yes	"			"	nong	
		"	yes	no	yes			bad		
								good	foot and back injured	
		yes	yes	yes	no	yes	same	"	none	
		no	"	yes	"			"		
yes	yes	yes	no		yes			"		
		yes	"					"	lost a finger	
		"	"					"	none	
		no	"			yes	same	"		
		"			yes			"		
yes	yes	yes		no	yes			"	none	
		no			no			"	"	
yes	yes	"			yes			"	"	
		yes			no			"	"	
					yes			"	"	
		no	no		no			"	"	
		"	"	no	no			"	"	
		"	"					"	"	
		no	no	yes	no			bad	"	
		yes	"		yes			good	"	
		"			yes			"	"	

TABLE No. 1.—Continued from page 75.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3405	no					\$ 00	neither	neither	no	no	
3406	"					"	"	"	"	"	
3407	"					8 00	increased	increased	yes	"	
3408	"					8 00	"	increased	"	"	
3409	"					"	neither	neither	"	"	
3410	"					"	"	"	"	"	
3411	"					"	"	"	"	"	
3412	yes	yes*				"	increased	increased	yes	yes*	
3413	"	no				"	increased	increased	"	Boiler Makers' Union	yes
3414	"					"	neither	neither	"	no	
3415	no	\$350	6½%		mortgage	"	neither	neither	"	Boiler Makers' Union	
3416	yes					"	neither	neither	"	Boiler Makers' Union	yes
3417	no	300	7%	yes	mortgage	10 00	neither	neither	yes	no	
3418	no					"	neither	neither	no	"	
3419	yes	1,000	7%	yes	contract	"	neither	neither	"	"	
3420	no	800	8%	no	"	"	increased	increased	no	"	
3421	yes	1,100	7%	yes	"	"	neither	neither	yes	"	
3422	"					13 00	increased	increased	no	"	
3423	no	800	7%	yes	contract	7 00	neither	neither	"	Steam fitters' Union	
3424	yes	no				"	"	neither	yes	no	
3425	"	700	7%	yes	mortgage	"	increased	increased	no	"	
3426	no					"	neither	neither	yes	"	
3427	no					"	increased	increased	no	"	
3428	yes					"	neither	neither	yes	"	
3429	no					"	increased	increased	no	"	
3430	yes					"	neither	neither	yes	"	
3431	no					"	increased	increased	no	"	
3432	yes					"	neither	neither	yes	"	
3433	no					"	increased	increased	no	"	
3434	yes					"	neither	neither	yes	"	
3435	no					"	increased	increased	no	"	
3436	yes					"	neither	neither	yes	"	
3437	no					"	increased	increased	no	"	
3438	yes					"	neither	neither	yes	"	
3439	no					"	increased	increased	no	"	
3440	yes					"	neither	neither	yes	"	
3441	no					"	increased	increased	no	"	
3442	yes					"	neither	neither	yes	"	
3443	no					"	increased	increased	no	"	
3444	yes					"	neither	neither	yes	"	
3445	no					"	increased	increased	no	"	
3446	yes					"	neither	neither	yes	"	
3447	no					"	increased	increased	no	"	
3448	yes					"	neither	neither	yes	"	
3449	no					"	increased	increased	no	"	
3450	yes					"	neither	neither	yes	"	
3451	no					"	increased	increased	no	"	
3452	yes					"	neither	neither	yes	"	
3453	no					"	increased	increased	no	"	
3454	yes					"	neither	neither	yes	"	
3455	no					"	increased	increased	no	"	
3456	yes					"	neither	neither	yes	"	
3457	no					"	increased	increased	no	"	
3458	yes					"	neither	neither	yes	"	
3459	no					"	increased	increased	no	"	
3460	yes					"	neither	neither	yes	"	
3461	no					"	increased	increased	no	"	
3462	yes					"	neither	neither	yes	"	
3463	no					"	increased	increased	no	"	
3464	yes					"	neither	neither	yes	"	
3465	no					"	increased	increased	no	"	
3466	yes					"	neither	neither	yes	"	
3467	no					"	increased	increased	no	"	
3468	yes					"	neither	neither	yes	"	
3469	no					"	increased	increased	no	"	

* Does not say what.

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no			good	none	
		"	"	"	"			"	"	
		yes			yes	yes	less	"	"	
		no	no		yes			"	"	
		"	"	yes	yes			"	"	
no	no	no	no	"	yes	yes	same	bad	"	
"	"	yes	"	"	"	"		none	"	
		"	"	"	"	yes	less	good	"	
yes	yes	no	no	"	"	"		"	"	
		yes			no	"		"	"	
		"	no	yes	"	"		"	"	
		"	"	"	yes	"	less	"	"	
		yes			yes	yes	less	"	"	
		no		no	yes	no		"	"	
		yes		yes	no			"	"	
		no	no		no			"	"	
		yes		no	no	yes	same	good	"	
no	no	"	no	no	yes	"		fair	"	
"	yes	"	"	"	"	"		good	"	
		"	"	"	"	"		"	"	
		"	no	"	"	"		"	"	
		"	"	no	no			none	"	
		"	"	"	yes			good	"	
		"	"	no	no			"	"	
yes	yes	"	no	no	yes			"	"	
yes	yes	yes	no	"	"	"		"	injured hand *	
yes	yes	no	yes	"	"	"		"	"	
"	"	"	no	"	"	"		bad	none	
		"	"	"	"	yes		good	lost one finger	
		"	"	"	"	"		"	none	
yes	yes	"	yes	"	"	"		"	"	
"	"	"	no	"	"	"		"	injured hand	
no	no	"	"	no	yes	"		"	lost two fingers	
		"	"	"	"	"		"	none	
		"	no	no	no	yes	same	bad	"	
		"	"	"	"	"		good	"	
		"	"	"	"	"		none	"	
		"	"	yes	no	no	same	good	"	
		yes	no	"	"	"		"	"	
yes	yes	yes	no	"	"	"		"	"	
		no	no	no	yes	"		"	lost one leg	
		"	"	no	yes	"		"	" foot	
		yes	yes	"	no	yes	same	good	none	
		no	no	"	yes	"	"	"	"	
		no	no	"	yes	"	"	bad	"	

Rents home for \$25 mo.

Work every day in the year.

* coupling cars.

TABLE No. 1.—Continued from page 77.

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3470	yes	\$400	7%	yes	mortgage	---	neither	neither	yes	no	---
3471	no	---	---	---	---	---	---	---	---	---	---
3472	no	---	---	---	---	\$8 00	increased	increased	yes	---	---
3473	yes	no	---	---	---	---	inc. 10%	---	---	---	---
3474	no	400	7%	yes	mortgage	---	neither	neither	---	---	---
3475	no	---	---	---	---	7 00	increased	increased	no	---	---
3476	yes	---	---	---	---	---	neither	neither	yes	---	---
3477	no	---	---	---	---	7 00	increased	increased	no	---	---
3478	yes	no	---	---	---	---	---	---	---	---	---
3479	no	---	---	---	---	9 00	neither	---	---	---	---
3480	---	---	---	---	---	---	---	---	---	---	---
3481	---	---	---	---	---	7 00	increased	increased	---	---	---
3482	---	---	---	---	---	6 00	---	---	---	---	---
3483	---	---	---	---	---	---	neither	---	---	---	---
3484	---	---	---	---	---	---	---	neither	---	---	---
3485	no	---	---	---	---	---	---	---	no	---	---
3486	yes	no	---	---	---	---	increased	increased	---	---	---
3487	no	---	---	---	---	---	neither	---	---	---	---
3488	yes	no	---	---	---	---	increased	increased	yes	---	---
3489	no	---	---	---	---	6 00	neither	neither	no	---	---
3490	yes	no	---	---	---	6 00	---	---	---	---	---
3491	---	900	7%	yes	contract	---	---	---	yes	B. of R. T.	---
3492	no	---	---	---	---	9 00	neither	neither	no	no	---
3493	yes	no	---	---	---	---	---	---	---	B. of B. T.	no
3494	no	---	---	---	---	6 00	---	---	---	no	---
3495	---	---	---	---	---	---	increased	---	yes	---	---
3496	---	---	---	---	---	4 00	neither	increased	no	---	---
3497	yes	no	---	---	---	---	---	---	---	---	---
3498	---	---	---	---	---	---	increased	neither	---	B. of R. T.	yes
3499	---	---	---	---	---	---	neither	---	---	no	---
3500	no	---	---	---	---	5 00	---	---	yes	---	---
3501	yes	500	7%	yes	mortgage	---	increased	increased	no	---	---
3502	no	---	---	---	---	---	---	---	---	---	---
3503	---	---	---	---	---	5 00	neither	---	yes	---	---
3504	---	---	---	---	---	4 00	---	---	---	no	---
3505	---	---	---	---	---	9 00	neither	neither	no	---	---
3506	---	---	---	---	---	7 00	increased	---	---	---	---
3507	---	---	---	---	---	---	neither	---	yes	B. of R. T.	---
3508	no	---	---	---	---	---	---	neither	no	no	---
3509	---	---	---	---	---	---	---	---	---	---	---
3510	---	---	---	---	---	4 00	---	---	---	---	---
3511	---	---	---	---	---	---	---	---	---	---	---
3512	---	---	---	---	---	---	---	---	---	---	---
3513	---	---	---	---	---	---	---	---	---	---	---
3514	---	---	---	---	---	---	---	---	---	---	---
3515	yes	no	---	---	---	---	---	decreased	---	---	---
3516	no	---	---	---	---	---	---	neither	---	---	---
3517	---	---	---	---	---	5 00	---	decreased	---	---	---
3518	yes	no	---	---	---	---	---	---	---	---	---
3519	no	---	---	---	---	---	---	---	---	---	---
3520	---	---	---	---	---	---	---	---	---	yes*	---
3521	---	---	---	---	---	---	---	---	no	---	---
3522	no	---	---	---	---	---	---	neither	yes	---	---
3523	yes	yes*	---	yes	contract	---	increased	---	no	B. of R. T.	yes
3524	no	---	---	---	---	---	neither	---	---	---	---
3525	---	---	---	---	---	---	---	---	---	no	---
3526	---	---	---	---	---	---	---	---	yes	---	---
3527	no	---	---	---	---	10 00	---	neither	no	---	---
3528	---	---	---	---	---	8 50	increased	increased	---	---	---
3529	yes	no	---	---	---	---	neither	decreased	yes	---	---
3530	no	---	---	---	---	---	increased	increased	no	---	---
3531	---	---	---	---	---	6 00	---	---	---	---	---
3532	---	---	---	---	---	6 00	---	---	---	B. of R. T.	yes
3533	---	---	---	---	---	---	---	---	---	no	---
3534	---	---	---	---	---	---	---	---	---	---	---
3535	yes	no	---	---	---	---	---	increased	no	---	---

* Does not say what.

Railway employes.

[illegible]

TABLE No. 1.—Continued from page 79.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3536	no								no	no	
3537	"					\$5 00	increased	increased	"	"	
3538	yes	\$450	7%	yes			"	"	"	"	
3539	no						"	"	"	"	
3540	"					6 00	"	"	"	"	
3541	"					5 00	"	"	"	"	
3542	"					6 00	"	"	"	"	
3543	"					6 00	"	"	"	"	
3544	"						"	"	"	"	
3545	yes	no					neither		"	"	
3546	"								"	"	
3547	"						neither		"	"	
3548	"								"	"	
3549	no					5 00	neither	neither	yes	"	
3550	yes	300	7%	yes	contract		increased	"	"	"	
3551	no						neither		no	"	
3552	"						"	neither	"	"	
3553	"						"	"	"	"	
3554	"					6 00	"	"	"	"	
3555	"						"	"	"	"	
3556	"					6 00	"	"	"	B. of R. T.	
3557	"						"	"	"	no	
3558	yes	600	8%	yes	contract		increased	increased	no	"	
3559	no						neither	neither	"	"	
3560	yes	500	7%	yes	mortgage		"	"	yes	"	
3561	no					7 00	"	"	no	"	
3562	"					4 50	"	"	yes	"	
3563	"						increased		no	"	
3564	yes	600			contract		neither		yes	"	
3565	no						"		no	"	
3566	"					10 00	"	neither	yes	"	
3567	yes	700	7%	yes	mortgage		"	"	yes	"	
3568	"					4 00	"	"	no	"	
3569	no					4 50	"	"	yes	"	
3570	"					9 00	"	"	no	"	
3571	yes	no							yes	"	
3572	"						increased	increased	"	"	
3573	"	1,900	7%	yes	contract		"	"	"	"	
3574	"	no					"	"	no	"	
3575	no						neither	neither	yes	"	
3576	yes	300	6%	yes	contract		increased	increased	"	"	
3577	"								"	"	
3578	yes	385	7%	yes	mortgage		increased		yes	"	
3579	"	200	7%	"	"		"		"	"	
3580	no					5 00	"	increased	no	"	
3581	"								yes	"	
3582	"						neither	neither	"	"	
3583	"					6 00	increased	increased	"	"	
3584	"					7 00	"		no	"	
3585	"						"		yes	"	
3586	"						decreased		"	"	
3587	"						increased		"	"	
3588	yes	no					"	neither	"	"	
3589	no						neither		"	"	
3590	yes	no					"		no	"	
3591	no					5 00	"		"	"	
3592	yes	2,500	7%	yes	contract		increased	increased	yes	"	
3593	"	500	7%	"	mortgage		"		no	"	
3594	no						neither		yes	"	
3595	yes	200	7%	yes	contract		increased	neither	"	"	
3596	no					8 00	"		"	"	
3597	"					10 00	"		"	"	
3598	"								"	"	
3599	"								"	"	
3600	no					5 00	neither		yes	"	
3601	"					9 00	"		no	"	

Railways Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no		no	no			good	none	
		"		no	no			"	"	
		"	no	no	no			fair	none	
		"	no	no	no			good	"	
		"	"	"	"	yes	same	good	finger pinched	
				"	"	"	"	"	none	
				"	"	"	"	"	"	
		yes	no	no	no	yes		"	"	Other income besides salary.
		no	"	"	yes	no	yes	same	"	
		"	"	"	yes	no	yes	same	"	
		yes	"	no	yes	no	yes	same	fingers injured	
		no	"	"	no	yes	same	"	none	Cares for mother and family
				no	yes	no		"	"	
		no	no	"	no	"		"	"	
		yes	"	no	yes	yes	less	bad	"	
		no	"	"	"	same	same	good	"	Works alternate Sun.
		yes	yes	"	"	"	"	"	"	Works ½ day Sunday.
		no	no	"	"	"	"	"	none	
		yes	"	"	no	yes	same	"	"	
		no	"	"	"	"	"	"	"	
		"	"	"	yes	no	"	"	"	
		yes	yes	no	yes	no	"	"	"	
		no	yes	"	yes	no	"	none	"	
		"	no	"	no	yes	"	good	"	
		"	no	"	no	"	"	good	struck in eye with nail	
		yes	"	no	yes	"	"	bad	none	
		no	yes	"	"	"	"	good	"	
		"	no	"	"	"	"	"	"	
		"	"	"	no	yes	"	"	crush. between bbls.	
		"	"	"	yes	"	"	"	none	
		"	"	"	"	"	"	"	"	
		yes	"	"	yes	"	"	good	"	
		"	"	"	"	"	"	"	"	
		no	no	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	no	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	no	"	"	"	"	
		"	"	"	no	"	"	"	"	
		yes	"	"	no	"	"	"	"	

TABLE No. 1.—Continued from page 81.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3602	yes	\$100	7%	yes	mortgage		increased	inc. 10%	yes	no	
3603	no					\$4 50	neither	neither	no	"	
3604	yes	no					"	"	"	"	
3605	no								"	"	
3606	"					4 50	neither		yes	"	
3607	yes	no					"		no	"	
3608	no					12 00	"	neither	"	"	
3609	"						increased	increased	"	"	
3610	"					6 00	"	"	"	"	
3611	"						"	"	"	"	
3612	"					8 00	"	"	"	"	
3613	"						"	"	"	"	
3614	yes	500	8%	yes	mortgage		neither	neither	yes	"	
3615	no					6 00	"		no	"	
3618	"					7 00	"	neither	"	"	
3617	yes	no					"	"	yes	"	
3618	no						"	"	"	"	
3619	"								no	"	
3622	"					5 00	neither		yes	"	
3623	"					12 00	"	neither	"	"	
3624	yes	no					increased	increased	"	"	
3625	"	200	7%	yes	contract		"	"	"	"	
3634	no					7 50	"	"	no	"	
3635	yes	no					neither	"	yes	"	
3636	no					9 00			"	"	
3637	"						increased	increased	no	"	
3638	"					5 00	"	"	"	"	
3639	yes	no					"	"	yes	"	
3640	no					7 00	"		no	"	
3641	yes	500	7%	yes	contract		"	neither	yes	"	
3642	no						"	increased	no	"	
3643	yes	800	8%	yes	mortgage		neither	neither	"	"	
3644	no								"	"	
3645	yes	1,000	6%	yes	mortgage				yes	"	
3646	no					8 00			no	"	
3647							neither		"	"	
3648	no						"		"	"	
3649	yes	yes*	7%	no			"	neither	"	"	
3650	no						"		yes	"	
3651	"					5 00	"	neither	no	"	
3653	yes	no					"	"	yes	"	
3654							"	"	"	B. of R. T.	yes
3655	no								"	O. of R. C.	"
3656	yes	no					increased	increased	yes	"	
3663	no					10 00	"	"	"	B. of L. E.	"
3664	yes	no					"		"	"	
3665							neither	neither	"	no	
3666	no					10 00	"		yes	no	
3667	"					3 00	"		"	B. of L. F.	yes
3668	"					8 00	increased	increased	"	no	
3669							neither	neither	"	"	
3670	no					8 00	"	decreased	yes	B. of L. F.	yes
3671							"	neither	"	no	
3672	no					4 00	increased	increased	yes	B. of R. T.	yes
3673	"						neither	neither	"	no	
3674							"		"	B. of R. T.	yes
3675	no					6 00	"	"	yes	no	
3676	"						"		"	B. of R. T.	yes
3677	"					8 00	increased	neither	yes	"	
3678	"					7 00	neither	"	"	no	
3679	"					7 00	"	"	"	B. of R. T.	yes
3680							"		"	no	
3681	no						"	neither	"	B. of R. T.	yes
3683	yes	no					increased	increased	yes	no	
3689	"	"					"	"	"	"	

* Does not say what.

Railway Employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurances.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
				no	no			none good	none	
				"	"	yes	same	"	"	
				"	"			"	"	
				"	"			"	"	
		yes	yes	"	yes			"	"	
		no	no	"	"			"	"	
		"	"	"	no			"	"	
		"	yes					"	"	
		"		no	no			"	"	
		"	no	"	"	yes	same	"	"	
		yes	no		yes	no		"	"	
		"	no		"	"		"	"	
		"	no		"	yes	same	"	"	
		yes	yes	no	"			bad good	"	
		"	"	"	"			"	"	
		no	no		yes			"	injured in collision	
		"	"	no	"	yes	same	"	none	
		"	"	"	"	"	less	"	"	
		"	no		"	yes		"	"	
		yes	"	no	yes	"		"	"	
		"	yes	"	"	"		"	"	
		no	no	yes	no	yes	same	"	"	
		"	"	"	yes	yes		bad good	"	
		yes	yes		yes	"		"	"	
		no	no	no	no	"		"	"	
		yes	no	no	yes	"		"	"	
		no	"	"	"	"		"	"	
		"	"	"	"	"		"	"	
yes	yes	yes	"	yes	"	"		"	"	
"	"	"	no	"	"	no		"	"	
"	"	"	"	"	yes	"		"	lost finger coupl'g c're	
"	"	no	yes	"	"	yes	less	"	none	
		yes	no	"	"	"		"	lost finger coupl'g c're	
		no	no	no	"	yes	less	"	none	
yes	yes	yes	"	"	yes	"		"	"	
		"	yes	"	"	"		"	"	
yes	yes	no	no	"	no	yes	same	"	"	
"	"	"	"	"	"	"	less	"	"	
yes	yes	"	"	"	yes	"		"	crushed coupling cars	
"	"	"	"	"	"	"		"	none	
yes	yes	"	"	"	"	yes	less	"	"	
yes	yes	yes	"	"	"	"		"	"	
yes	yes	no	"	"	"	yes	less	"	"	
"	"	"	"	"	"	"		"	"	
yes	yes	"	"	"	"	yes	less	"	"	
"	"	"	"	"	"	"		"	"	
yes	yes	yes	"	yes	"	"		"	"	
yes	yes	"	"	no	"	"		"	"	
"	"	"	yes	"	"	"		"	"	

TABLE No. 1.—Continued from page 83.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3690	no					\$5 00	increased	increased	yes		
3691	no						neither	neither	yes	B. of R. T.	
3692							"	"	yes		yes
3693							"	"		no	
3694							increased	increased		"	
3695							neither	neither	no	"	
3696							"	"	yes	"	
3697	yes	no				12 00	increased	increased	no		
3698	no						decreased	decreased	"	B. of L. E.	yes
3699	yes	no					increased	increased	"	K. of L.	no
3700	no						neither	neither			
3701							"	"		"	
3702	no	no					increased	increased	yes		
3703	yes					5 00	decreased	decreased	"	"	
3704	"					9 00	neither	neither	"	"	
3705	"					7 00	"	"	no	B. of R. T.	
3707	yes	no					increased	increased	yes	no	
3708	no						neither	neither	"	"	
3709							"	"	"	"	
3711	no					5 00	increased	increased	yes	"	
3712							neither	neither	"	"	
3714							"	"	"	"	
3715	no						"	"	yes	"	
3716							"	"	"	"	
3718							"	"	"	"	
3719	yes	no					increased	increased	"	"	
3720	no					8 00	neither	neither	"	"	
3721	yes	no					increased	increased	"	"	
3722	no					4 00	neither	neither	"		
3723							"	"	"	no	
3724	no					7 00	"	neither	yes	"	
3725							"	"	"	"	
3726	no					4 00	increased	increased	"	"	
3727	"					5 00	neither	neither	"	"	
3728	"					3 00	"	"	"	"	
3729							"	"	"	"	
3730	no					12 00	"	neither	"	B. of L. F.	yes
3732	"					7 00	increased	increased	yes	no	
3733	yes	\$250	8%	yes	mortgage		"	"	yes	O. of B. C.	yes
3734	"		7%		"		"	"	"	"	
3735	"	no					"	"	"	no	
3736	no					8 00	"	"	no	"	
3737	yes	no					neither	"	yes	"	
3738							"	neither	"	"	
3739	yes		7%		mortgage		increased	increased	"	"	
3740	no					5 00	neither	decreased	"	"	
3741	yes		8%	yes	mortgage		increased	increased	"	"	
3742	no					5 00	"	"	"	"	
3744	yes	no					"	"	"	"	
3745	"	"					"	"	"	"	
3746	"	"					neither	neither	no	I. A. of A. M.	
3748	no					7 50	increased	increased	no	no	
3750						4 50	"	"	yes	"	
3752							neither	neither	"	"	
3754	yes	no					increased	increased	"	no	
3755	"						neither	neither	"	"	
3756	"	175	none	yes	contract		"	"	"	"	
3757	"	no					neither	"	"	no	
3758	"	300		yes	contract		"	"	"	"	
3759	"						increased	increased	no	"	
3761						10 00	neither	neither	yes	no	
3762	yes	no				10 00	"	"	"	"	
3763	no					10 00	increased	increased	"	O. of R. C.	
3764	yes	no				10 00	"	"	"	B. of L. E.	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	no	no	no	yes			good	none	
"	"	"	"	yes	"			"	"	
"	"	"	"	no	"			"	"	
"	"	"	"	"	"			"	"	
"	"	yes	yes	"	yes			"	"	
"	"	no	no	"	"			"	"	
"	"	yes	yes	yes	"			bad	"	
yes	yes	"	"	no	no			good	"	
no	"	"	no	yes	yes			"	"	
"	"	"	yes	"	"	yes	less	"	"	
"	"	"	no	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	no			"	"	
yes	no	no	"	yes	yes			bad	hand crushed	
"	yes	"	"	"	yes	less		good	"	
"	"	"	"	"	"	"		bad	inj. internally by fall	
"	"	no	"	"	"	yes	less	good	none	
"	"	"	"	"	"	"		bad	"	
"	yes	"	"	"	"	"		good	"	
"	no	"	"	"	"	"		"	"	
"	yes	yes	no	yes	"	"		"	"	
"	no	"	"	"	"	"		"	"	
"	"	"	no	"	"	"		"	"	
"	"	"	"	"	"	"		"	"	
"	"	yes	"	"	"	"		"	"	
"	no	"	"	"	"	"		"	"	
"	"	"	"	"	"	"		"	"	
yes	yes	"	"	"	no			"	"	
"	"	yes	yes	"	"			"	"	
yes	no	"	no	yes	no			none	none	
"	"	"	"	no	"			good	"	
"	"	"	"	yes	no	yes	less	none	"	
"	"	yes	no	no	yes	"		"	hand hurt o'pl'ag cars	
"	"	no	"	yes	"	"		"	none	
"	"	yes	no	no	"	"		bad	"	
"	"	"	"	no	"	no	less	none	"	
"	"	"	"	"	"	"		good	"	
"	"	"	"	"	"	"		"	"	
"	"	no	"	yes	no	"		none	none	
"	yes	"	"	yes	"	"		good	"	
"	"	yes	no	"	"	"		none	"	
"	"	yes	"	"	"	"		"	"	
"	no	"	no	no	yes	yes		"	"	
"	yes	"	"	no	no	"		"	"	
"	no	no	no	no	no	"		"	none	
"	yes	"	"	"	yes	less		good	"	
"	"	"	yes	yes	"	"		"	leg fractured	
yes	yes	"	"	"	yes	"		fair	none	
"	"	"	"	"	"	"		bad	"	

TABLE No. 1.—Continued from page 85.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3765	no					\$10 00	neither	increased	yes	B. of L. E.	
3766	"					10 00	increased		yes	"	
3767	"						neither	neither	"	"	
3768	"					6 00	"	"	no	"	
3769	"						"	"	"	"	
3770	"					8 00	increased	increased	no	O. of R. T.	yes
3771	yes	no						neither	yes	no	
3772	no						neither		"	"	
3773	yes	no					"	increased	"	no	
3774	yes	no					"	neither	"	"	
3775	no						"		"	"	
3776	no	\$20	7%	yes	contract		"		"	O. of R. T.	yes
3777	yes						"		"	no	
3778	yes	no					neither	increased	"	"	
3779	yes	no					"	neither	"	"	
3780	no	400	7%	yes	mortgage		"		"	"	
3781	no					8 00	"		yes	"	
3782	yes	no				8 00	"		no	"	
3783	yes						inc. \$5 mo.	increased	"	"	
3784	no					7 00	neither		"	"	
3785	yes	no						increased	"	"	
3787	"	950	8%	yes	contract		increased	"	yes	B. of R. T.	yes
3788	no					10 00	neither	neither	"	no	
3789	"					12 00	"	"	"	B. of L. F.	yes
3790	"					10 00	"	"	"	"	
3791	"					10 00	"	"	"	"	
3792	"						neither	neither	"	B. of L. E.	
3793	"						"	increased	"	B. of L. F.	
3794	yes	no				15 00	"		"	no	
3795	no					10 00	increased	increased	no	B. of L. F.	no
3796	"					10 00	neither		yes	"	yes
3797	"					12 00	"	neither	"	no	
3798	"						"		"	"	
3799	"						"		"	"	
3800	"						"		"	"	
3801	"						"		"	"	
3802	"						"		"	"	
3803	"					10 00	"		"	R. of R. T.	yes
3804	yes	250	10%	yes			increased	increased	no	O. of R. C.	"
3805	no						neither		"	B. of R. T.	
3806	"					7 00	"		no	no	
3807	"					6 00	"		no	B. of R. T.	yes
3808	"								"	no	
3809	"					5 00	neither	neither	"	"	
3810	"					8 00	"	increased	yes	"	
3811	"					8 00	increased	neither	no	O. of R. C.	no
3812	"						neither	"	yes	B. of R. T.	yes
3813	"						"		"	"	
3814	"						"		"	O. of R. T.	no
3815	"						"		no	"	
3816	no					8 00	"		yes	"	
3817	yes	no				12 00	increased	neither	no	B. of R. T.	
3818	"						neither		"	"	yes
3856	"								"	no	
3857	yes					10 00	neither		no	"	
3858	no	no					"	neither	yes	"	
3859	"	200	7%	yes	contract				"	"	
3860	no					6 00	neither		no	"	
3861	"								"	"	
3862	no					8 50	increased		no	"	
3863	yes	no				5 00	"		"	"	
3864	no					5 00	"	increased	yes	"	
3865	yes								"	B. of R. C. M.	no
3866	"	no					neither	neither	"	no	
3867	"								"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for raising money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	no	yes	yes	yes	yes	less	bad	none	
		"	"	"	"			good	"	
		"	"	no	"			bad	foot crushed and lost*	
		"	"	yes	"			good	none	
no		yes	no	no	no			good	none	
		yes	"	"	no			none	"	
no	yes	no	no	yes	yes	yes	same	bad	"	
		no	"	no	no			fair	none	
		yes	yes	no	yes			good	hip crushed	
		no	yes	no	"			"	none	
		yes	yes	yes	"			bad	"	
		no	no	no	"			good	"	
		yes	yes	no	"	yes	less	"	"	
yes	yes	no	no	"	"			bad	hand injured	
yes	yes	yes	yes	no	yes			good	none	
"	"	"	yes	"	"			"	"	
"	"	"	yes	"	no			"	"	
"	"	no	no	yes	yes			bad	"	
"	"	yes	yes	no	no			good	"	
yes	yes	yes	no	"	"			"	"	
"	"	no	"	yes	"			"	"	
		yes	yes	"	"			"	"	
		no	"	"	"			"	"	
yes	yes	"	yes	"	"			"	"	
yes	no	yes	yes	"	"	yes	same	"	lost a finger	
"	no	no	yes	"	"	no		"	none	
"	yes	yes	yes	"	"			"	"	
yes	yes	no	no		no			none	"	
		no	"					good	"	
		no	no	no	yes		same	none	"	
yes	no	no	"	"	"			good	"	
"	yes	"	"	yes	no			"	hurt ankles falling†	
		yes	no	"	"			none	arm broken c'pl'g cars	
yes	yes	"	yes	no	"			"	none	
		no	no	yes	yes			good	sprained ankle	
		yes	"	no	no			none	none	
		no	no	"	no			good	"	
		"	"	no	"	yes	less	"	"	
		"	yes	no	"	"	same	none	"	
		"	"	"	"	"	"	"	"	
		no	no	yes	yes	"	same	bad	"	
yes	no	yes	yes	no	no	yes	less	none	"	
yes	yes	no	no	yes	yes			good	"	

* one finger. † from cars.

TABLE No. 1.—Continued from page 87.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3868	yes	no					neither		no	no	
3869	yes								yes	"	
3870	no					\$7 00		increased	"	B. of R. T.	yes
3871						5 00	"	neither	"	"	"
3872	yes	no				6 00	"		"	no	no
3873	no						"		no	yes*	
3874								neither	yes	"	
3875	no						"		no	"	
3876							"		no	yes*	no
3877	"					5 00	"	increased	yes	O. of R. C.	yes
3878	"						"	neither	"	no	
3879										"	
3880										"	
3881										B. of R. T.	
3882	no					7 00	increased		yes	"	
3883						4 00	neither		no	"	yes
3884	"					8 00	"		"	no	
3885	"					5 00	"		yes	"	
3886	"					11 00		neither	"	"	
3887	"						"		"	"	
3888	"						"		"	B. of R. T.	yes
3889	"						"		"	no	
3890	"						"		no	B. of R. T.	yes
3891	"					12 00	"		yes	no	
3892	"					8 00	"		no	"	
3893	"					8 00	"		yes	"	
3894	"						"		"	B. of R. T.	yes
3895	"					8 00	"	increased	"	no	
3896	"					10 00	"	neither	"	"	
3897	"						"	increased	"	"	
3898	"						"	neither	"	B. of R. T.	yes
3899	yes	\$400	7%	yes			"		"	S. M. A. A.	"
3900	no						"		"	B. of R. T.	"
3901	"						"		"	"	
3902	"						"		"	"	
3903	"						"		"	no	
3904	"						"		"	"	
3905	yes	50	8%	yes	contract		increased	increased	"	"	
3906	"	no					neither		no	"	
3907	"									"	
3908	no					6 00	"		no	no	
3909	"						"		"	"	
3910	yes	no						neither	"	"	
3911	"	"					"		"	"	
3912	"	"					"		"	"	
3913	"	"					"		"	"	
3914	no					8 00	neither	neither	yes	"	
3915	"						"		"	"	
3916	"						"		"	"	
3917	yes	500	8%	yes	mortgage		"	increased	"	"	
3918	"						"		"	"	
3919	"						neither		"	"	
3920	"								"	"	
3921	no						neither	neither	no	"	
3922	"						"		"	"	
3923	"					5 00	"		"	"	
3924	"					6 00	"		"	"	
3925	"						"		"	"	
3926	"						"		"	"	
3927	yes	no					"		"	no	
3928	no						"		yes	"	
3929	yes	400	8%	yes	contract		"	increased	"	"	
3930	"	450	7%	"	mortgage		"	neither	"	"	
3931	no					8 00	"	increased	no	"	
3932	yes	no					"		"	"	
3933	"	245	6%	yes	contract		increased	"	yes	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	yes	no	same	none	none	
		yes	no	"	"	"	less	"	"	
yes	yes	no	no	"	"	"	"	good	"	
		yes	yes	"	"	"	"	"	"	
yes	yes	no	yes	no	"	"	"	none	"	
		yes	"	yes	no	"	"	good	"	
		yes	"	"	"	"	"	"	"	
yes	yes	no	no	"	"	"	"	"	"	
		no	"	no	yes	"	"	bad	"	
		"	"	"	"	"	"	good	lost a finger.	
									pinched chest	
yes	yes	no	no	"	no	yes	less	none	none	
"	"	yes	"	"	yes	no	"	good	crushed foot	
		no	no	"	no	yes	less	none	none	
		no	"	"	yes	no	same	"	pinched finger	
		yes	"	"	yes	yes	less	"	none	
		no	"	"	"	"	"	good	"	
yes	yes	no	yes	"	"	"	"	"	"	
		"	"	"	no	"	"	"	"	
yes	yes	"	"	"	yes	"	"	"	"	
		yes	no	"	no	"	"	"	"	
		no	no	"	yes	"	"	"	"	
		yes	yes	"	no	"	"	"	"	
		no	"	"	yes	"	"	"	"	
yes	yes	yes	"	"	"	"	"	"	lost a finger	
"	"	"	"	"	"	"	"	"	none	
"	"	no	"	"	yes	"	"	"	"	
"	"	yes	no	"	"	"	"	"	"	
"	"	no	yes	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	no	"	"	"	"	fair	injured hand	
"	"	"	"	"	"	"	"	good	none	
"	"	"	"	"	no	"	"	"	"	
					yes	no	less	"	none	
					no	"	"	"	"	
		no	no	no	"	no	same	"	"	
		"	"	"	"	"	"	none	"	
		yes	yes	"	yes	"	"	good	broken legs and arm	
		no	no	"	"	"	"	"	none	
		"	"	"	no	"	"	"	"	
		yes	yes	"	yes	"	"	"	injured hand	
		no	no	"	no	"	"	"	none	
		no	yes	"	yes	"	"	none	"	
		"	"	"	no	"	"	good	"	
		no	yes	"	yes	"	"	"	"	
		"	no	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	no	"	"	"	"	
		yes	yes	"	yes	yes	less	"	none	
		no	no	"	"	"	"	"	"	
		yes	yes	"	"	"	"	"	crushed hand	
		"	"	"	"	"	"	"	none	
		no	no	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		no	"	"	"	"	"	"	"	
		"	"	"	no	"	"	"	"	

TABLE No. 1.—Continued from page 89.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
3934	no										
3935	"					\$10 00	neither	neither	no	no	
3936	"						increased			"	
3937	no					5 00	neither			"	
3938	"					8 00	"	increased	no	"	
3939	"					12 00	"	neither	yes	"	
3940	yes	no					increased	increased	no	"	
3941	no					6 00	neither	neither	yes	"	
3942	"					4 00	"	"	no	"	
3943	"					4 50	"	increased	"	"	
3944	"						"	neither	"	"	
3945	"						"	increased	"	"	
3946	"					5 00	"	neither	"	"	
3947	"						"		yes	"	
3948	"						"		"	"	
3949	"					6 00	"		no	"	
3950	"						"		yes	"	
3951	"						"		"	"	
3952	yes	no					"	increased	no	"	
3953	no						"	neither	yes	"	
3954	"						"	"	no	"	
3955	"					7 00	"	"	"	"	
3956	"						"	"	yes	"	
3957	yes	\$800	10%	no			"	increased	no	"	
3958	no					6 50	"	neither	"	"	
3959	"						"	"	yes	"	
3960	"						"	"	no	"	
3961	"					7 00	"	increased	"	"	
3962	"						"	neither	"	"	
3963	"					5 00	"	increased	"	"	
3964	"						"	neither	yes	"	
3965	"					4 50	"	"	no	"	
3966	"						"	"	"	"	
3967	yes	100	10%	yes			"	increased	"	"	
3968	no						"	neither	"	"	
3969	"						"	"	yes	"	
3970	"						"	"	"	"	
3971	"						"	"	no	"	
3972	"						"	"	"	"	
3973	yes	no					increased	increased	yes	"	
3974	"						neither	neither	"	"	
3975	no					2 50	increased	increased	yes	"	
3976	"					2 50				no	
3977	"										
3978	no					3 00				no	
3979	"					4 00	neither				
3980	"					1 00			yes	no	
3981	"					3 50	increased		no	"	
3982	"					3 00	"	increased	yes	"	
3983	"								"	"	
3984	no								"	"	
3985	"						neither	neither	yes	"	
3986	yes	400	7%	yes	mortgage		"	"	"	"	
3987	no								"	"	
3988	"								"	"	
3989	yes	no							yes	"	
3990	no								"	"	
3991	yes	400	7%		mortgage		neither	neither	no	"	
3992	no								"	"	
3993	"					5 00	"	increased	yes	"	
3994	"					15 00	"	decreased	"	"	
3995	"										
3996	"					12 00	"	neither	yes	O. of R. C.	yes
3997	"					10 00	"	"	"	"	"
3998	yes	700	8%	yes			"	neither	"	"	"
3999	no					10 00	"	"	"	"	"

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no	yes	same	good	none	
		"	"	"	yes	no	less	"	"	
		yes	"	yes	no	"	"	"	"	
		no	no	yes	no	yes	less	"	"	
		yes	"	"	yes	"	"	"	"	
		no	"	"	no	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	no	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	no	"	"	"	"	
		"	no	"	yes	"	"	"	"	
		"	"	"	"	yes	less	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	no	yes	same	fair	injured foot	
		"	"	"	"	"	less	"	none	
		"	no	"	"	"	"	"	"	
		"	"	no	"	"	same	"	"	
		no	no	"	yes	"	"	"	"	
		"	"	"	"	yes	less	fair	none	
		"	"	"	"	"	"	good	"	
		"	"	no	"	"	"	fair	"	
		no	no	"	yes	"	"	"	"	
		"	yes	"	no	"	"	good	none	
		"	no	"	"	"	"	"	"	
		no	no	"	yes	no	less	fair	"	
		"	"	"	no	"	"	good	"	
		yes	"	"	no	"	"	fair	injured finger	
		"	"	"	"	"	"	good	none	
		no	no	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	
yes	yes	yes	yes	"	"	"	"	none	injured spine by fall.	
"	no	"	"	"	yes	"	"	good	none	
"	yes	"	no	yes	no	"	"	"	lost a finger	

TABLE No. 1.—Continued from page 91.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4000	no					\$3 00	neither		yes	B. of R. T.	no
4001	yes	\$800	7%	yes	mortgage	12 00	"	neither	no	O. of R. C.	yes
4002	no					10 00	"	"	yes	B. of R. T.	no
4003	"					15 00	"	"	"	O. of R. C.	no
4004	"					10 00	"	"	"	"	yes
4005	"					10 00	"	"	"	B. of L. E.	yes
4006	no	no				10 00	"	"	no	"	"
4007	yes	no					"	neither	yes	"	"
4008	no						"	"	no	no	"
4009	yes	no				12 00	increased	neither	yes	B. of L. E.	yes
4010	"						"	"	"	no	"
4011	"						"	"	"	B. of L. F.	yes
4012	no						increased	increased	yes	no	"
4013	"						neither	neither	yes	B. of L. F.	yes
4014	"						increased	increased	yes	no	"
4015	no						neither	neither	no	B. of R. T.	yes
4016	"						increased	increased	yes	B. of L. F.	"
4017	no						increased	inc. 10%	no	"	"
4018	"						neither	neither	yes	"	"
4019	"						increased	inc. 10%	no	"	"
4020	"					8 00	neither	neither	yes	no	"
4021	"								yes	B. of R. T.	yes
4022	"								"	no	"
4023	"								no	B. of R. T.	"
4024	"						neither		no	no	"
4025	"						neither		yes	no	"
4026	"						neither	neither	no	B. of R. T.	yes
4027	"						decreased	neither	yes	no	"
4028	"						neither	increased	"	S. M. A. A.	"
4029	yes	300	7%	no	mortgage	8 00	decreased	neither	yes	B. of R. T.	yes
4030	no					11 00	neither	increased	"	no	"
4031	"					10 00	increased	increased	no	O. of R. C.	yes
4032	"					10 00	neither	neither	yes	no	"
4033	"					14 00	"	"	no	B. of R. T.	yes
4034	"					10 00	"	"	yes	no	"
4035	"						"	"	no	"	"
4036	yes	700	8%	yes	mortgage	5 00	"	"	yes	B. of R. C. M.	yes
4037	no					10 00	"	"	no	"	no
4038	"					8 00	"	neither	"	O. of R. C.	yes
4039	no					10 00	"	"	"	B. of R. T.	"
4040	no						neither	neither	no	no	"
4041	"						neither	neither	no	"	"
4042	yes	no				3 00	neither	neither	yes	no	"
4043	no					6 00	"	decreased	no	K. of L.	no
4044	"						"	neither	yes	no	"
4045	"					10 00	"	decreased	"	"	"
4046	yes	300	8%	yes	mortgage	9 00	"	"	no	"	"
4047	no	no				10 00	neither	increased	yes	"	"
4048	"						"	neither	"	"	"
4049	"						"	"	"	"	"
4050	"						"	"	"	"	"
4051	no					8 00	neither	neither	no	"	"
4052	"						"	"	"	"	"
4053	yes	300	8%	yes	contract		neither	increased	yes	O. of R. C.	yes
4054	"	1,000	7%	"	"		increased	"	"	B. of L. E.	"

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more * or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	no	no	yes	yes			good	none	
"	"	yes	yes	no	no			"	lost two fingers	
"	"	"	no	yes	"			"	none	
"	"	"	yes	"	"			"	"	
no	no	yes	"	"	yes			bad	"	
yes	yes	"	"	yes	"			good	"	
	yes	no	"	"	no			bad	"	
yes	yes	yes	no	no	yes			good	"	
yes	yes	yes	yes	"	no			bad	"	
no	yes	"	"	"	yes			good	hurt shoulder and hip	
yes	no	no	no	yes	"	no	same	bad	injured by fall	
	yes	yes	yes	"	no			good	none	
			"	"	"			bad	"	
yes	yes	yes	yes	no	no	yes	less	good	"	
yes	yes	yes	yes	"	yes		same	"	broken leg	
yes	yes	yes	yes	"	no	no		none	none	
yes	yes	no	no	yes	"			good	"	
	yes	yes	yes	"	yes			"	"	
yes	yes	no	no	yes	"	no	same	bad	lost finger & hurt eye	
	yes	yes	yes	"	no	no		good	none	
yes	yes	yes	"	"	yes			bad	hurt coupling cars	
yes	yes	yes	"	no	"			good	none	
yes	yes	"	"	"	yes	yes	less	good	"	
	"	"	"	"	no			bad	"	
	"	yes	yes	"	yes			none	"	
no	yes	no	no	"	no			good	"	
yes	"	"	"	"	yes			"	"	
"	"	"	"	"	"	yes	same	bad	"	
	"	no	"	"	yes			good	"	
	yes	yes	no	no	yes			none	"	
	no	no	no	"	no	yes	less	good	"	
no	no	"	no	"	yes	no	less	"	"	
	"	"	"	"	yes	yes	"	"	"	
		yes	no	no	yes			"	"	
		no	"	"	no			good	"	
		"	"	"	"			"	"	
		yes	"	"	"			"	"	
		no	no	no	no			"	"	
		yes	no	no	yes			"	"	
yes	yes	"	yes	"	no			none	none	
no	no	"	no	"	"			good	none	

* salary for support.

TABLE No. 1.—Continued from page 93.

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4077	no					\$10 00	increased	increased	no		
4078	no					8 00	neither	neither	yes	no	
4079	yes	\$500	6%	yes	mortgage					B. of R. T.	
4080	no					10 00	increased		"	no	
4081	no					8 00	increased	inc. 12½%	no	"	
4085	no						neither		no	"	
4086	yes	300	6%	yes		4 50		neither	yes	O. of R. T.	no
4087	no										yes
4088	no								no	no	
4089	yes	no					increased		yes		
4095	no					10 00				no	
4096	yes	300	7%		contract		neither	increased	no		
4097	no					6 00	increased		yes		
4098	no					8 00	"	"	no		
4099	no					8 00	"	"	no		
4100	"						neither		yes		
4101	"					15 00					
4106	"						increased	increased	no		
4107	"						neither		"		
4108	"						"		"		
4109	"								"		
4110	yes	no							"		
4111	no					7 00	increased		"		
4112	yes	no					neither	neither	"		
4121	yes	no					increased	increased	"		
4122	"	no				10 00			"		
4123	no					6 00	neither		"		
4124	yes	no					increased	increased	"		
4125	yes	500	8%	yes	mortgage	6 00	"	"	yes		
4126	no					6 00			no		
4127	"					8 00			"		
4128	"						neither		yes		
4137	"					10 00		decreased	no		
4138	"					10 00	increased	increased	yes	B. of R. T.	
4139	"					10 00			no		
4140	"					8 00	neither	neither	yes		
4141	yes	800	7%	yes	contract	8 00	increased	increased	no		
4142	no					8 00	neither	neither	yes		
4143	yes						increased	increased	no		
4144	yes	no				8 00	decreased		yes		
4145	no						neither	decreased	"		
4146	no								"		
4147	no						neither		"		
4148	yes	no							"		
4149	yes	no							"		
4150	no								"		
4151	no								"		
4152	"								"		
4153	"								"		
4154	"								"		
4155	"					10 00			"		
4156	yes	no					increased	increased	no		
4157	no						neither	neither	yes	K. of L.	
4158	no								no		
4159	no						increased	increased	no	B. of L. E.	
4160	no					10 00	neither	neither	yes		
4161	yes	no					decreased		"		
4162	yes	no					neither	neither	no		
4163	no					8 00	increased	increased	"		
4164	yes	198	7%	yes	contract		decreased	decreased	"		
4165	no						increased		yes		
4206	no								no	B. of L. F.	yes
4207	"							increased	no		
4208	"								yes		
4209	yes	300	7%	yes	mortgage				yes		

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	no	yes	no	yes			bad	none	
		yes	"	"	"			good	scalded	
		no	no	"	"				ankle broken and*	
		yes	yes	"	"			none	none	
		no	no	yes	no			good	"	
no	no	yes	"	yes	no			bad	"	
		no	"	no	yes			none	"	
								good	"	
		yes	no	yes	yes			good	"	
		"	yes	"	yes			"	finger smashed	
		"	no	"	"			bad	none	
		yes	"	"	"					
		no	"	no	"			bad	none	
		"	"	"	"			good	finger crushed	
		"	"	"	"	yes		none	injured in wreck	
		yes	"	"	"			good	none	
		no	"	"	"			none	"	
		"	"	"	"	no	more	good	"	
		yes	yes	"	yes					Owns home in Indiana
		no	no	"	yes			good	none	
		"	"	"	"			"	"	
		yes	yes	"	yes	yes	same	bad	"	
		no	no	"	"			none	"	
		yes	yes	yes	yes			good	"	
		"	yes	"	"			"	"	
yes	yes	no	no	yes	"			bad	"	
		"	"	"	"	no	same	good	none	
		"	"	"	"	"	less	"	lost two fingers	
		"	"	"	"	"	"	"	none	
		yes	no	yes	"			"	foot crushed	
		no	yes	"	no			"	none	
		yes	no	"	yes			bad	leg, arm, 2 ribs, and†	
		no	yes	"	no			good	knee cap injured	
		yes	no	"	yes			"	slight injury	
		no	no	"	"			"	none	
		yes	yes	yes	yes			"	"	
		"	"	"	"			"	"	
		"	"	"	"			bad	"	
		"	no	"	"			good	"	
		"	yes	"	"			"	"	
		"	no	"	no			"	"	
yes		"	no	no	yes			bad	"	
		"	"	no	no			good	"	
		"	"	yes	no			bad	"	
		yes	yes	"	yes			good	lost one foot	
		"	"	"	"			"	none	
		"	"	"	no			"	"	
yes	yes	no	no	no	yes			none	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	"			"	"	
"	"	no	"	"	"			good	"	

* hand smashed.

† collar bone broken.

TABLE No. 1.—Continued from page 95.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4210	no						increased		no	B. of L. F.	yes
4211	yes	\$350		yes	contract		"		"	"	"
4212		475							"	"	"
4213	no						neither		"	"	"
4214	yes	no					increased	increased	yes	"	"
4215	no					\$5 00	neither	neither	no	no	
4216	yes	no					"		yes	B. of L. F.	yes
4217		500	7%		mortgage		"		no	"	
4218	no						"		yes	"	
4219	yes	no	10%		mortgage		"	increased	"	"	
4220		150					"		"	"	
4221	no					4 00			"	"	
4222						8 00			no	"	
4223	no								yes	"	
4224						10 00			no	"	
4225						10 00			"	"	
4226	yes	no					neither	increased	yes	"	
4227	no						"		no	no	
4228						8 00		neither	yes	"	
4229	"					8 00	"	"	no	"	
4230							"		yes	"	
4231	yes	300	7%	yes	mortgage		"	neither	yes	"	
4232	no								"	"	
4233							increased	increased	no	"	
4234	"						neither	neither	"	"	
4235	"						"	"	"	"	
4236	yes						"	"	yes	B. of R. T.	yes
4242	no						increased		"	no	
4243	"					8 00	neither		"	"	
4244	"						"		no	"	
4245	"					12 00	"	neither	no	"	
4246							"		yes	"	
4247	yes	no					"		no	"	
4248									no	"	
4249	no								yes	"	
4250									"	"	
4251	yes	no					neither	decreased	yes	"	
4252		150	6%	yes	mortgage		decreased	neither	no	"	
4253	"	no				4 00	neither	"	yes	"	
4254									yes	no	
4255	no						neither	decreased	yes	no	
4256							increased	increased	no	"	
4257	yes	no					neither	neither	no	"	
4258	no								yes	Tr'n Dispatchers' Ass'n	no
4259						14 00			no	no	
4260	"								yes	Tr'n Dispatchers' Ass'n	no
4261						10 00	neither	neither	no	no	
4262	yes	100	8%	yes	mortgage	10 00	increased	inc. 33½%	yes	no	
4268									no	"	
4269	no					27 00			no	"	
4270							neither		yes	"	
4271						10 00	inc. 25%	neither	"	"	
4272									yes	"	
4273	no						decreased	decreased	yes	"	
4274	yes	950	7%	yes	contract		neither	neither	no	"	
4275	no					10 00			yes	"	
4276						12 00	neither	decreased	no	"	
4277	yes	no					increased	increased	no	"	
4278						8 00	neither	neither	yes	"	
4288	no					7 00	"	decreased	no	"	
4289	"					8 00	increased	increased	"	I. A. of A. M.	no
4290	"								"	"	
4291	"						neither		no	no	
4292	"						"	increased	yes	"	
4293	"								no	"	
4294						8 00			no	"	
4298	no						increased	increased	"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General Remarks.
yes	yes	no	yes	no	yes			none	none	
"	"	yes	"	"	"			"	"	
"	"	no	no	yes	no			good	"	
		yes	yes	no	yes			none	"	
yes	yes	no	no	no	"			good	"	
		"	"	no	yes			better	"	
		"	"	"	"			good	"	
		"	"	no	"			"	"	
		"	"	"	"			"	"	
		yes	yes					"	none	
		no	"					"	"	
		yes	"		yes		same	none	"	
		"	"	no	no			"	"	
		ne			yes		same	good	lost a finger	
		no	yes		no			poor	none	
		no	yes		yes		same	none	"	
		no	yes		"		less	good	broke legs & fingers	
		yes	yes	no	no			none	none	
		no	"	"	"			"	"	
yes	yes	yes	yes	yes	yes			good	"	
		"	"	no	"			"	"	
		"	"	"	"			"	"	
		no	no	no	"			bad	foot crushed	
		yes	yes	no	no			good	none	
		no	yes	yes	"			none	"	
		yes	yes	yes	"			good	"	
		"	"	no	no	no	same	bad	"	
		no	no	no	yes			good	"	
		no	no	yes	no			fair	"	
		no	no	no	yes			bad	"	
		yes	no	"	"			good	"	
yes		no	no	yes	no			"	"	
yes		yes	"	yes	"			none	"	
yes	no	no	no	"	yes			bad	"	
		yes	yes	"	no			none	"	
		no	no	no	"			good	"	
		"	no	no	"			"	"	
		"	"	"	"			good	"	
		yes	no	no	yes			good	"	
		"	"	"	no			none	"	
		"	"	"	"			"	"	
		no	yes	"	yes			good	"	
		no	no	no	no	no	same	none	lost one finger	
no	yes	yes	no	no	yes	"	same	bad	none	
		no	no	yes	"	no		none	"	
		yes	no	yes	no			"	"	
		no	no	no	yes			good	"	

TABLE No. 1.—Continued from page 97.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4299	no						neither	neither	no	no	
4300	yes	\$400	7%	yes	contract		"	decreased	"	"	
4301	no						"	neither	"	Boiler Maker's Union.	no
4302	yes	450	7%	yes	mortgage	\$3 00	increased	increased	"	no	
4303	no					13 00	"	"	"	O. of R. C.	yes
4304	"								yes	"	no
4305	"					7 00	neither	"	no	no	
4306	"						"	"	"	"	
4307	"					7 00	"	neither	yes	B. of L. F.	
4308									"	no	
4309									"	"	
4310	no					10 00	neither	increased	no	"	
4311						8 00	inc. 6%	"	"	"	
4312						3 00	neither	"	yes	"	
4313	yes	500	5%	yes	mortgage		neither	neither	"	"	
4314	"		8%				"	decreased	no	"	
4315	no					6 00	"	neither	yes	"	
4316	"						"	"	no	"	
4317	"					6 00	"	"	yes	yes*	no
4318	yes	300	7%	yes	mortgage		decreased	decreased	no		
4319	no					4 00	neither	increased	yes		
4320	yes	300	6%	yes	mortgage		increased	increased	yes	no	
4321	"	no					neither	neither	no	"	
4322	"	"					"	"	"	"	
4323	"	"					"	"	"	"	
4324	no					4 00	"	"	no	"	
4325	"					8 00	"	"	"	"	
4326	no						"	"	yes	"	
4327	"						"	"	"	"	
4328	"						"	"	"	"	
4329	"						"	"	no	"	
4330	yes	no					"	"	"	"	
4331	"	900	6%	yes	contract		neither	"	yes	"	
4332	"						"	decreased	no	"	
4333	no					5 00	"	"	"	"	
4334	"						"	"	"	"	
4335	"					4 50	"	neither	"	"	
4336	"					4 00	"	"	"	"	
4337	"						"	"	"	"	
4338	"						"	"	"	"	
4339	"					8 00	"	"	no	"	
4340	"						"	"	yes	"	
4341	no					3 50	increased	increased	no	"	
4342	"					6 00	"	"	"	"	
4343	"					5 00	neither	"	"	"	
4344	"					6 00	"	"	"	"	
4345	"						"	"	"	"	
4346	"						neither	neither	yes	"	
4347	"						"	"	no	"	
4348	"					5 00	"	"	"	"	
4349	yes	600	6%	yes	mortgage		"	"	yes	"	
4350	"					3 00	"	"	no	no	
4351	no						"	decreased	no	"	
4352	"					4 00	neither	increased	"	"	
4353	yes						increased	neither	"	"	
4354	no						neither	"	"	"	
4355	"						"	"	"	"	
4356	"						"	"	yes	"	
4357	yes	175	6%	yes			"	"	"	"	
4358	"					9 00	"	"	no	"	
4359	yes	500	7%	yes	contract		"	"	yes	"	
4360	"	no					"	"	"	"	
4361	"						"	"	"	"	
4362	yes	no					"	"	"	"	
4363	"						"	"	"	"	
4364	yes						"	"	"	"	
4365	"						"	"	"	"	
4366	"						"	"	"	"	
4367	"						"	"	"	"	
4368	yes	no					"	"	"	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	(General remarks.)
no	no	no	no	yes	yes			bad	none	
yes	yes	yes	yes	yes	no	same		good	ankle sprained	
		no	no	"	yes			none	none	
		no	no	no	yes			bad	injured in wreck	
		yes	yes	no	yes			good	none	
		yes	"	no	"			"	"	
		no	"	no	no			none	lost thumb and finger	
		no	"	yes	yes	yes	less	good	none	
		yes	no	no	no			none	"	
		no	"	no	no			good	"	
		no	"	no	"			"	"	
		yes	"	"	no			"	"	
no	yes	yes	yes	no	yes			none	"	
		no	no	"	"			"	"	
		yes	yes	no	no			none	leg broken	
		"	no	yes	yes			good	none	
		no	"	no	no			"	"	
		"	"	no	"			"	"	
		"	"	"	"			"	"	
		"	"	"	yes			"	"	
		"	"	"	"			"	"	
		yes	yes	no	yes			good	"	
		no	"	yes	no			none	"	
		no	no	yes	yes			good	"	
		"	no	"	"			"	"	
		yes	"	no	yes			good	"	
		no	no	"	no			bad	"	
		"	"	"	"			none	"	
		"	"	"	"			good	"	
		"	"	no	"			"	none	
		"	"	no	"	no	same	"	none	
		"	"	no	"			good	"	
		"	"	"	"			"	"	
		"	"	no	yes			good	"	
		no	no	no	no			none	"	
		"	"	"	"			good	"	
		"	"	"	"			"	"	
		yes	"	"	"			good	"	
		no	"	"	"			"	"	
		yes	yes	no	"			"	"	

Owens a farm.

TABLE No. 1.—Continued from page 99.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4380											
4381	no					\$8 00	neither	neither	no	no	
4382	yes	no					"	"	yes	"	
4383											
4384	no					10 00	"		no	O. of R. C.	no
4385	no					12 00	"	decreased	yes	no	
4386	yes	no					"	increased	"	O. of R. C.	yes
4387	yes	no					"		"	B. of L. E.	
4388	no						"		"	no	
4389	yes						increased		"	"	
4410	yes						neither		"	B. of L. E.	yes
4411	"						increased		"	"	
4412	no					10 00	neither	neither	no	no	
4413	"					11 00	neither	neither	"	"	
4414	"					10 00	increased	neither	yes	B. of L. E.	yes
4415	yes	no					neither	neither	"	no	
4416	no						"	neither	yes	B. of L. E.	yes
4417	yes	no					increased		no	no	
4418	no					12 00	neither	neither	yes	B. of L. E.	yes
4419	yes	no					increased		no	no	
4420	yes	no				12 00	increased		yes	"	
4431	"								"	"	
4432	"								"	"	
4433	yes	no					neither	neither	yes	"	
4434	no					8 00	decreased	neither	no	"	
4435	"					8 00	increased	neither	yes	"	
4436	"					12 00	neither		"	B. of L. F.	
4437	no								"	no	
4438	yes	200	7%	yes	contract		increased	increased	yes	"	
4439	no					18 00	neither		"	"	
4440	"					10 00	"		"	"	
4441	"					11 00	"		no	"	
4442	"						decreased	increased	yes	"	
4443	"					11 00	increased	neither	"	"	
4444	"						neither	"	no	"	
4445	yes	150	10%	yes	mortgage		neither	decreased	yes	"	
4446	no						"	neither	"	"	
4447	"						"	neither	"	"	
4448	no					7 00	decreased	decreased	yes	"	
4449	yes	no				12 00	increased	decreased	no	O. of R. C.	no
4450	yes	no					decreased	decreased	yes	no	
4451	no						"		"	"	
4452	"						"		"	"	
4453	no						"		"	"	
4454	yes	no				8 00	increased	increased	no	"	
4455	yes	no				8 00	increased	neither	yes	B. of R. T.	yes
4456	no						neither		"	no	
4457	yes	no				8 00	increased	increased	"	"	
4458	no						"		"	"	
4459	"					7 00	increased	neither	yes	"	
4460	"					8 1/4	neither	neither	"	"	
4461	"						"		"	"	
4462	"						"		"	"	
4463	"						"		"	"	
4464	"						"		"	"	
4465	"						"		"	"	
4466	"						"		"	"	
4467	"						"		"	"	
4468	"						"		"	"	
4469	"						"		"	"	
4470	yes	no					"		yes	no	
4471	no						"		"	"	
4472	"						"		"	"	
4473	"						"		"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	no	no	no	---	---	---	good	---	---
---	---	yes	---	---	no	no	same	none	---	---
---	---	---	yes	---	---	---	---	good	---	---
yes	yes	no	no	yes	yes	yes	same	none	---	---
yes	yes	---	---	---	---	---	---	good	---	---
---	---	no	no	no	---	---	---	bad	---	---
---	---	---	---	---	---	---	---	---	---	---
---	---	yes	no	---	no	---	---	good	injured in a wreck	---
yes	---	no	---	yes	---	---	---	bad	---	---
---	---	yes	yes	---	---	---	---	---	---	---
---	---	---	---	---	no	---	---	good	back injured	---
---	---	---	---	---	yes	---	---	bad	---	---
yes	---	yes	no	---	---	---	---	---	---	---
---	no	no	---	no	no	---	---	none	---	---
---	yes	yes	---	---	---	yes	same	---	---	---
---	---	no	---	---	---	---	---	---	---	---
yes	yes	yes	yes	---	---	---	---	---	---	---
---	---	---	no	---	---	---	---	good	---	---
---	---	---	---	---	no	---	---	---	---	---
---	---	---	---	---	yes	---	---	---	---	---
---	---	---	---	---	---	---	---	bad	---	---
---	---	yes	yes	---	yes	---	---	---	---	---
---	---	no	---	---	no	---	---	good	sprained ankle	---
yes	yes	yes	no	---	---	---	---	---	---	---
---	---	yes	yes	---	no	---	---	---	---	---
---	---	yes	yes	---	no	---	---	good	---	---
---	---	no	no	---	---	yes	more	bad	bruised in a wreck	---
---	---	---	---	no	yes	---	---	---	---	---
---	---	no	no	---	---	---	---	good	---	---
---	---	---	---	---	---	---	---	bad	---	---
---	---	---	---	---	no	---	---	---	---	---
---	---	---	---	---	---	yes	less	none	---	---
---	---	---	yes	---	---	---	---	---	---	---
---	yes	no	no	---	---	---	---	good	hand jammed	---
---	---	no	no	---	---	---	---	---	lost a finger	---
---	---	yes	yes	---	yes	---	---	none	---	---
---	---	no	no	---	---	---	---	good	---	---
---	---	---	---	no	---	---	---	---	lost a finger	---
---	---	yes	yes	---	---	---	---	---	---	---
yes	---	yes	---	no	no	---	---	---	---	---
---	no	---	---	---	---	---	---	---	foot smashed	---
---	yes	yes	yes	---	---	---	---	---	lost a finger	---
---	---	---	---	no	---	---	---	---	---	---
---	---	yes	---	---	---	---	---	---	---	---
yes	yes	no	no	no	---	---	---	---	rupture	---
---	yes	yes	yes	---	---	---	---	none	lost two fingers	---
---	---	---	---	---	---	---	---	good	---	---
---	---	no	no	---	---	---	---	---	---	---
---	yes	---	---	---	yes	---	---	none	---	---
---	no	---	---	---	no	---	---	good	---	---
---	---	yes	no	yes	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---
---	yes	yes	no	yes	---	---	---	bad	sprained neck & back	---
---	---	---	---	---	yes	---	---	---	---	---
---	yes	no	yes	---	---	---	---	good	---	---
---	---	---	---	---	---	---	---	fair	---	---

TABLE No. 1.—Continued from page 101.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4474	yes	\$168	7%	yes	mortgage	38 00	increased	---	no	no	---
4475	no	---	---	---	---	1 50	neither	neither	yes	O. of R. T.	yes
4476	---	---	---	---	---	---	---	---	---	no	---
4477	---	---	---	---	---	5 00	---	neither	---	R. A. A.	---
4478	---	---	---	---	---	7 00	---	---	---	no	---
4479	---	---	---	---	---	---	---	---	---	---	---
4480	yes	900	8%	yes	mortgage	2 50	increased	---	---	---	---
4481	no	---	---	---	---	---	---	---	no	---	---
4482	yes	1,000	7%	yes	mortgage	87 50	neither	increased	yes	---	---
4483	no	---	---	---	---	---	---	---	---	---	---
4484	yes	yes*	---	---	---	---	---	neither	---	---	---
4485	no	---	---	---	---	---	---	increased	---	---	---
4486	yes	yes*	7%	yes	contract	1 00	decreased	decreased	---	O. of R. T.	yes
4487	no	---	---	---	---	---	---	---	---	no	---
4488	---	---	---	---	---	---	---	---	---	O. of R. T.	---
4489	---	---	---	---	---	13 00	neither	neither	yes	no	---
4490	---	---	---	---	---	7 00	---	---	---	---	---
4491	---	---	---	---	---	11 00	---	---	---	---	---
4492	---	---	---	---	---	18 00	---	neither	---	---	---
4493	---	---	---	---	---	---	---	---	---	---	---
4494	---	---	---	---	---	---	increased	increased	---	---	---
4495	no	---	---	---	---	13 00	neither	neither	---	---	---
4496	yes	500	7%	yes	mortgage	8 00	---	---	---	---	---
4497	no	---	---	---	---	---	---	---	---	---	---
4498	---	---	---	---	---	---	---	---	---	---	---
4499	---	---	---	---	---	---	---	---	---	---	---
4500	---	---	---	---	---	---	---	---	---	---	---
4501	---	---	---	---	---	10 00	increased	increased	---	---	---
4502	---	---	---	---	---	---	neither	neither	---	---	---
4503	---	---	---	---	---	---	---	---	---	---	---
4504	---	---	---	---	---	15 00	---	---	---	---	---
4505	---	---	---	---	---	---	---	---	---	---	---
4506	---	---	---	---	---	---	---	---	---	---	---
4507	---	---	---	---	---	---	---	---	---	---	---
4508	yes	no	---	---	---	---	---	---	---	no	---
4509	no	---	---	---	---	---	---	---	---	---	---
4510	---	---	---	---	---	---	---	---	---	---	---
4511	---	---	---	---	---	---	---	---	---	---	---
4512	---	---	---	---	---	---	---	---	---	---	---
4513	---	---	---	---	---	---	---	---	---	---	---
4514	---	---	---	---	---	---	---	---	---	---	---
4515	---	---	---	---	---	---	---	---	---	---	---
4516	---	---	---	---	---	---	increased	---	---	---	---
4517	---	---	---	---	---	---	neither	---	---	---	---
4518	---	---	---	---	---	---	---	---	---	---	---
4519	yes	100	7%	yes	contract	---	increased	decreased	yes	no	---
4520	---	no	---	---	---	---	---	increased	---	---	---
4521	---	---	---	---	---	---	increased	increased	---	---	---
4522	---	---	---	---	---	---	---	---	---	---	---
4523	no	no	7%	---	mortgage	---	neither	---	---	---	---
4524	---	---	---	---	---	---	---	---	---	---	---
4525	no	---	---	---	---	8 00	---	---	---	no	---
4526	yes	yes*	---	yes	mortgage	---	---	---	---	---	---
4527	---	---	---	---	---	---	---	---	---	no	---
4528	no	no	---	---	---	---	neither	---	yes	---	---
4529	---	---	---	---	---	---	---	---	---	---	---
4530	no	no	7%	yes	mortgage	11 50	neither	increased	---	---	---
4531	yes	yes*	---	---	---	---	---	---	no	---	---
4532	---	---	---	---	---	---	decreased	---	yes	---	---
4533	---	---	---	---	---	---	---	---	---	---	---
4534	---	---	---	---	---	---	---	---	---	---	---
4535	---	---	---	---	---	---	neither	decreased	---	---	---
4536	no	---	---	---	---	---	---	---	---	---	---
4537	---	---	---	---	---	---	---	---	---	---	---
4538	no	---	---	---	---	---	---	---	---	---	---
4539	---	---	---	---	---	---	---	---	---	---	---
4540	yes	no	---	---	---	---	---	---	---	---	---

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
	yes	yes	no	no	no			bad	none	{ Came to Am. when young.
	yes	no	yes	yes	no			none	"	
no	no	yes	yes	no				bad	"	{ Came to Am. when a child.
		no	"	no	no	same		bad	"	
		no	"	yes	no			none	"	
		no	no	yes	no			bad	"	
		yes	yes	no	"			good	"	
		no	no	"	"			none	"	
yes	yes	"	no	"	yes			good	"	
		no	"	"	"			none	"	
yes		yes	yes	yes				good	"	
		no	no	no	yes			good	"	
		yes	"	"	"			"	"	
		no	"	"	"			bad	"	
		no	"	"	"			"	"	
		no	no	no	"			good	none	
		no	"	no	"			"	"	
		no	"	no	yes			"	"	
		yes	"	"	"			"	"	
		no	"	no	no			"	"	
		"	"	"	yes	no		"	"	
		"	"	"	"	no	same	none	"	
		"	"	"	"	no	same	good	"	
		yes	"	"	"	yes	same	bad	"	
		"	"	"	"			good	"	
		no	"	no	yes			"	"	
		"	yes	no	"			"	"	
		"	no	no	"			"	"	
		"	"	"	yes	no		"	"	
		yes	"	"	"	yes	less	"	"	
		no	"	"	"			none	"	
		yes	no	no	yes			bad	"	
		"	"	no	"			"	"	
		yes	no	yes	no	yes	less	bad	"	
		"	"	yes	yes	"	"	good	"	
		no	"	no	no			none	"	
		yes	yes	yes	yes			none	"	
		"	"	"	"			bad	"	
		"	"	"	"			good	"	
		yes	yes	no	no	yes	less	bad	none	
		no	no	"	"	"	same	none	"	
		yes	yes	"	yes	"	less	good	"	
		"	"	"	"	yes	less	"	"	
		"	"	yes	"	"	"	none	"	
		no	no	"	"			good	"	
		"	"	"	"			"	"	
		yes	yes	"	yes			"	"	

TABLE No. 1.—Continued from page 103.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4621	yes	no					neither		yes	no	
4622	no										
4623	"							neither	"		
4624	"					\$10 00	decreased		"	I. A. of A. M.	yes
4628	yes	no				8 00	increased	neither	no	no	
4629	no						neither	neither	"	"	
4630	"								"	"	
4641	"									"	
4642											
4643							neither	neither			
4644	no						"	"	yes	no	
4645	"						"	"	"	"	
4648	yes	no						neither	"	"	
4650	"	"					decreased	decreased	"	"	
4651	"						"	"	"		
4652	"	no					"	"	"		
4653	"	"							"	no	
4654	"	"					decreased	decreased	"	"	
4660	"	"					decreased	decreased	"	"	
4661	"	"							"	"	
4662	no								"	"	
4663	yes	no					neither		"	"	
4664	no					4 00			"	"	
4665	"					5 00			"	"	
4666	"					5 00	neither		"	"	
4670	"								"	"	
4671	yes	\$150	7%	yes	mortgage		decreased	decreased	"	"	
4673	no								"	"	
4674	yes	no							"	"	
4675	no					12 00	increased	increased	"	"	
4676	"					10 00	neither		"	"	
4677									no		
4678	no					10 50	increased			O. of R. C.	yes
4679	"						neither		yes	S. M. A. A.	
4680	"					10 00	"		"	no	
4681	"					10 00	increased	increased	"	S. M. A. A.	
4682	"					8 00			"	"	
4683	"						neither			"	
4684	"					7 00	increased	increased	yes	no	
4685	"					7 00	neither	neither	"	"	
4686	"					12 00	"		no	"	
4687	"					5 00			"	"	
4688	yes	no					neither			"	
4689	no								yes	"	
4690	"					8 00			no	"	
4691	"						neither		"	"	
4692	yes	no					"		"	"	
4693	no					8 00			"	"	
4694	yes								yes	"	
4695	"	no					neither	neither	"	"	
4696	no						"		no	"	
4697						4 00	"		"	"	
4698	no					6 00	increased	increased	yes	"	
4699	yes	100	7%	yes	mortgage		decreased	decreased	yes		
4700	no					9 00	increased	increased	"	no	
4701	"					5 50	neither	neither	"	"	
4702	"								"	"	
4703	"					9 00	increased	neither	"	"	
4704	"								"	"	
4705	yes	400	8%	yes	mortgage		neither	neither	"		
4706	no						"			no	
4707	"					4 00	increased	increased	yes	"	
4708	"								no	"	
4709	yes	no							yes	"	
4710	"	"							"	"	
4711	"	"						neither	"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	yes				good	none	
no	yes	yes	no	yes	yes			"	"	
		no	yes	no	no			"	"	
		no	no	no	yes			bad	"	
		yes	yes	"	"			good	"	
		no	yes	no				"	"	
		yes	yes	no	yes	yes	less	"	"	
		no	no	no	yes	yes	less	fair	lost a finger	
		yes	no	yes	yes			good	none	
		no	yes	no	no	yes	less	good	none	
		no	"	"	yes	less		fair	"	
		no	no	yes	yes	no		fair	"	
		"	"	no	yes	no		good	"	
		yes	yes	no	no	yes		"	lost a finger	
		no	yes	yes	yes	no		good	none	
		no	no	no	yes	yes		"	hand crippled	
yes		yes	yes	yes	yes			"	none	
		no	no	no	yes			"	"	
yes	yes	no	no	"	"			"	fingers crushed	
"	"	no	no	"	"			"	hand crushed	
		no	no	"	"			"	none	
		no	no	"	"			"	hurt by falling timber	
		no	no	yes	yes	yes	same	none	finger broken	
		no	no	yes	yes	yes	less	good	none	
		no	no	no	no	no	less	bad	ruptured	
		no	no	"	yes	yes	"	good	none	
		no	no	no	"	"	less	good	none	
		no	no	"	"	"		bad	"	
		no	no	yes	"	"		good	"	
		yes	yes	"	"	"		"	"	
		no	no	"	"	"		"	"	
		yes	no	"	"	"		none	"	
		"	no	no	no	"		"	"	
		"	yes	"	yes	"		good	"	
		no	no	no	no	"		fair	"	
		yes	no	yes	yes	"		good	none	
		no	no	no	no	"		none	"	
		no	no	no	yes	yes	same	good	"	
		no	yes	no	no	yes	less	good	"	
		"	"	"	"	"		"	"	

{ Came to America when a child.

TABLE No. 1.—Continued from page 105.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4718	no					\$10 00	increased	increased	yes	no	
4714	yes	\$160	7%	yes	mortgage	4 00	"	"	"	"	
4715	no					10 00	neither	"	"	"	
4716	"					10 00	decreased	decreased	"	"	
4717	yes					10 00	neither	increased	no	no	
4718	"					12 50	increased	neither	yes	"	
4719	no						neither	"	yes	"	
4720	yes	no				8 00	"	neither	no	no	
4721	yes	no				5 50	"	"	"	"	
4722	no						neither	neither	yes	"	
4723	no						"	"	no	"	
4724	yes	no					"	"	"	"	
4725	"						"	"	"	"	
4726	no						"	"	yes	"	
4727	"						"	"	no	"	
4728	"						"	"	yes	"	
4729	yes	no					"	"	no	"	
4730	yes	400	7%	yes	mortgage		neither	"	no	"	
4731	no						"	"	no	"	
4732	yes					5 00	neither	"	no	"	
4733	no					5 00	"	neither	yes	"	
4734	"					5 00	"	"	no	"	
4735	yes						increased	increased	"	"	
4736	no					11 00	increased	"	"	"	
4737	"						"	"	"	"	
4738	"						"	"	"	"	
4739	yes	no					neither	"	"	"	
4740	"						increased	"	"	"	
4741	"						"	"	"	"	
4742	"						"	"	"	"	
4743	"						"	"	"	"	
4744	"						"	"	"	"	
4745	"						"	"	"	"	
4746	"						"	"	"	"	
4747	yes	no					neither	"	"	"	
4748	no						increased	"	"	"	
4749	"						"	"	"	"	
4750	"						"	"	"	"	
4751	"						"	"	"	"	
4752	"						"	"	"	"	
4753	"						"	"	"	"	
4754	yes	1,000	7%	yes	mortgage		increased	increased	"	"	
4755	no						neither	neither	"	"	
4756	"					10 00	"	increased	"	"	
4757	"						increased	"	"	"	
4758	yes	no				10 00	neither	decreased	"	"	
4759	"					15 00	increased	neither	"	"	
4760	yes	no					neither	increased	yes	no	
4761	no						increased	increased	no	"	
4762	"						"	"	"	"	
4763	"						"	"	"	"	
4764	"						"	"	"	"	
4765	yes						neither	neither	no	"	
4766	no						increased	increased	yes	no	
4767	"						increased	increased	no	"	
4768	"						increased	increased	"	"	
4769	yes	1,000	7%	no	mortgage	7 00	neither	neither	no	"	
4770	no					6 00	increased	increased	"	"	
4771	"					5 00	"	"	"	"	
4772	"					6 00	"	"	"	"	
4773	no					8 00	increased	increased	no	"	
4774	"						"	"	"	"	
4775	no						"	"	"	"	
4776	"						"	"	"	"	
4777	"						"	"	"	"	
4778	"						"	"	"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	yes	no	no	yes	same	none		
		yes	no	"	"	same	"	"	none	
		no	"	"	"	"	"	"	"	
		yes	yes	"	no	"	"	good	"	
		no	no	"	yes	"	"	bad	"	
				yes	"	"	"	"	"	
					yes	yes	same	none	"	
				no	yes	yes	"	bad	"	
		no	no	"	no	"	"	good	"	
		"	"	"	"	"	"	"	none	
		"	"	"	yes	"	"	bad	"	
		no		no	"	yes	less	good	"	
				no	yes	yes	same		none	
				no	no	"	less	good	"	
					yes	"	"	"	"	
		no		no	yes	yes	less	good	"	
		"		"	no	"	same	"	"	
		"	yes	"	"	"	same	bad	"	
		"	no	"	"	no	same	none	"	
		"	"	"	"	"	less	good	"	
		"	"	"	yes	"	less	none	"	
		yes	"	"	no	no	less	none	"	
		no	"	"	yes	"	"	good	"	
		"	"	"	no	"	"	none	"	
		yes	yes	"	yes	no	"	good	injured an eye.	
		"	no	"	no	"	"	none	none	
		"	"	"	no	no	same	"	"	
		no	"	"	"	yes	"	"	"	
		"	"	"	no	no	less	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	"	yes	same	"	"	
		"	"	"	"	"	less	bad	"	
no	yes	yes	no	"	yes	no	same	none	"	
		no	"	"	no	no	"	"	"	
		"	"	"	"	yes	"	"	"	
		"	"	"	yes	"	"	bad	"	
yes	yes	"	"	"	"	"	"	none	"	
		"	"	"	no	"	"	bad	"	
		"	"	"	"	"	"	none	"	
		yes	"	"	"	"	"	"	"	
		no	no	"	no	yes	same	good	"	
		"	"	"	"	"	"	bad	"	
		"	"	no	yes	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	yes	"	"	"	"	
		no	"	no	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	yes	"	"	"	"	
		no	"	no	"	"	"	"	"	
		yes	"	"	yes	"	"	bad	jammed	

TABLE No. 1.—Continued from page 107.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4779	yes	\$700	7%	yes	mortgage		neither	neither	yes	no	
4780	no					\$7 00	increased	increased	no	F. H. A. A.	no
4781						7 00			yes	no	
4782									no	no	
4783	yes								yes		
4784	no						neither	neither	no	no	
4785											
4786	yes	yes*									
4787		no							no		
4788	no						neither	increased	yes		
4789								neither	no		
4790						5 00	neither		yes		
4791						4 00					
4792						4 00			no		
4793	yes	250	7%	yes	mortgage		decreased		yes		
4794		no					neither	neither			
4795											
4796	no										
4797	yes	yes*	7%	yes			neither	neither			
4798	no										
4799									yes		
4800									no		
4801	yes	no							yes	no	
4802									no		
4803	no						neither	neither		no	
4804									no		
4805									yes		
4806	yes	no					neither	neither			
4807	no										
4808						5 00	neither		no		
4809						6 00		neither	yes		
4810	yes	500	7%	yes	contract		increased	increased			
4811		no									
4812	no										
4813						8 00					
4814	yes	yes*		yes	contract		neither	neither			
4815	no										
4816						12 00					
4817											
4838	yes	no						neither		O. of R. C.	yes
4839										no	
4830	no										
4831	yes	no					neither		yes		
4832	no							neither			
4833						6 00					
4834						7 00	increased				
4835	yes	200	6%	yes	contract		neither			no	
4836		no					increased	increased		O. of R. C.	yes
4837		300	7%	yes	mortgage					no	
4838		no					neither	increased			
4839								neither			
4840							increased	increased		O. of R. C.	yes
4841							neither	decreased		B. of L. E.	
4842		no					increased	increased			
4843	no						neither				
4844						12 00		neither			
4845						13 00	increased	increased			
4846	yes	no					neither	neither			
4847	no					8 50	increased				
4848						15 00					no
4849											yes
4850	no					15 00	neither	neither	yes		
4851	yes	no						increased			
4852	no										yes
4853	yes	no					increased			no	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	yes	no	yes			good	none	
no	yes	no	no	no	no			none	"	
		yes								
				no	no				none	
				"	yes				none	
		no	no	no	no	yes	less	good	"	
		no			yes	"	same	good	"	
		"	no	no	yes	"	"	"	"	
		yes	yes	"	"	yes	less	none	"	
		no	"	"	no	yes	"	good	"	
		"	no	"	"	"	"	none	"	
					yes	"		bad	"	
		no	no		"			"	"	
				no	yes	yes	less	good	injured shoulder	
					no	yes	less	good	none	
		no	no	"	"	yes	less	good	"	
		"	yes	no	"	"	"	"	"	
		"	no	"	yes	yes	less	"	crushed foot	
		no	yes	"	no	"	"	bad	none	
		yes	no	"	"	yes	same	none	"	
		no	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
					yes			good	"	
		no	no	no	"			"	"	
		"	"	"	"			"	"	
yes		yes		yes	"			none	"	
		"	no	"	"			good	"	
		"	"	yes	yes			"	"	
		"	"	no	no			bad	injured finger	
		yes	yes	yes	"			good	none	
		"	no	no	yes	no		bad	"	
yes	yes	"	"	yes	no	yes		none	"	
		"		yes	"	"		bad	"	
yes	yes	"		"	no	"		none	"	
		"		"	yes	"		"	"	
		"	no	"	"	"		bad	"	
		"		"	"	"		none	"	
		no		"	no	"		"	"	
		"		"	yes	"		"	"	
		yes	yes	"	"	"		bad	"	
		"	no	no	no	"		good	"	
		"	yes	"	"	"		bad	"	
		no	no	yes	"	"		"	"	
yes	yes	yes	yes	no	no			none	none	
		"	"	"	no			bad	"	

TABLE No. 1.—Continued from page 109.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4854	no					\$12 00	neither	neither	yes	B. of L. E.	yes
4855	"					10 00	increased	increased	"	"	"
4856	"					12 00	"	"	"	"	"
4857	"					15 00	"	"	"	"	"
4858	yes	no					neither	neither	"	"	"
4859	no						"	"	no	no	
4860	"					12 00	increased	increased	yes	B. of L. F.	yes
4861	"						neither	neither	"	no	
4862	"					9 00	"	increased	"	B. of L. F.	yes
4863	"						"	neither	"	no	
4864	"					20 00	increased	"	"	B. of L. F.	yes
4865	"						neither	"	"	"	
4866	"								"	"	
4867	no								no	no	
4868	"					11 00	increased	increased	yes	B. of L. F.	yes
4869	"					11 00	neither	neither	"	"	
4870	yes	no					"	"	"	"	
4871	no						"	"	"	no	
4882	"					13 00	increased		"	"	
4883	"						neither		"	"	
4884	"					10 00	increased	increased	"	"	
4885	"						neither	neither	"	"	
4886	"					6 00	increased	increased	"	"	
4887	"						"	"	"	"	
4888	"					9 00	"	"	"	"	
4889	"						"	"	"	"	
4890	"					8 00	"	"	"	"	
4891	yes	no					"	"	"	"	
4892	no						"	"	"	"	
4893	"					5 00	neither	"	"	"	
4894	"					7 00	"	"	"	"	
4895	"						"	neither	"	"	
4896	yes	yes*					increased		no	"	
4897	no						neither	neither	yes	"	
4898	"						"	"	no	"	
4899	"					9 00	"	increased	yes	"	
4900	"						"	neither	"	B. of R. T.	yes
4901	yes	\$180	6%	yes	mortgage		"	"	"	no	
4902	no						"	increased	no	"	
4903	"						increased	"	yes	"	
4904	no						neither		"	"	
4905	yes	no					"	decreased	"	"	
4914	"	800	7%	yes	contract		increased	neither	"	"	
4915	no					5 00	"	decreased	"	O. of R. T.	yes
4916	yes	no				5 00	decreased	decreased	"	no	
4917	no						neither	neither	"	"	
4918	"						"	"	"	"	
4919	"					5 00	neither		yes	O. of R. T.	no
4920	"					5 00	"	neither	no	no	
4921	"					9 00	increased		yes	"	
4922	"					10 00	"	increased	"	"	
4923	"					6 25	neither	neither	"	"	
4924	yes						increased	inc. \$100 yr.	"	"	
4925	no						neither	neither	"	"	
4926	"					25 00	"	"	"	"	
4927	"						increased	increased	"	"	
4928	yes	2,200	7%	yes	mortgage		neither	neither	"	"	
4929	no	800	7%	no			increased		no	"	
4930	"						neither		"	"	
4931	yes	no				4 00	"	neither	yes	"	
4932	no					7 00	"	"	"	"	
4933	"					5 00	"	decreased	"	"	
4934	"						"	neither	"	"	
4935	yes	250	7%	yes	mortgage	5 00	"	"	"	"	
4936	no						"	inc. \$15 mo.	no	"	
4937	yes	no					increased	increased	"	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	yes	no	yes			fair	none	
"	"	no	no	"	no			good	"	
"	"	yes	"	"	"			bad	"	
"	"	"	"	yes	"			good	"	
				no				none	"	
yes	yes	no	no	no	yes			"	"	
yes	yes	yes	no	no	no			"	"	
		"	no	no	yes			"	"	
yes	yes	"	"	"	"			good	"	
"	"	no	"	no	no			bad	"	
yes	yes	"	"	"	yes			good	"	
"	"	"	"	"	no			bad	"	
		yes	yes	"	"			good	"	
		no	"	"	yes			bad	"	
		yes	no	"	"			none	"	
		no	no	"	yes			good	"	
		yes	yes	"	"			"	crushed foot	
		no	no	"	"			"	none	
		no	yes	"	no			"	crushed finger	
		no	no	"	yes			none	none	
		"	"	"	no			"	crushed thumb and *	
		yes	"	"	"			"	lost two fingers	
		yes	yes	"	yes			bad	none	
		"	"	"	no			none	"	
		"	"	"	"			"	"	
		no	no	"	yes			good	"	
		no	yes	no	no			bad	"	
		"	"	"	yes			none	"	
		yes	no	"	yes			bad	"	
yes	yes	no	no	"	"			none	"	
		yes	no	no	"			"	pinched hand	
		"	no	"	"			"	none	
		"	no	"	yes			"	"	
		"	no	"	no			"	"	
		no	"	"	no			good	"	
		yes	"	yes	yes	yes	less	none	injured back	
no	yes	"	yes	"	no			good	none	
		"	"	"	"			bad	"	
		"	"	"	"			good	"	
no	no	no	no	"	"			"	"	
		yes	no	yes	"			good	"	
		"	no	yes	"			fair	"	
		"	"	"	"			good	"	
		"	"	"	"			fair	"	
		no	"	no	"			good	lost a toe	
		yes	"	yes	"			none	none	
		no	"	no	"	no	less	"	"	
		no	"	"	"			good	"	
		yes	"	yes	"			"	"	
		no	no	no	yes			bad	none	
		yes	yes	yes	yes			good	"	
		no	"	"	no			"	"	
		no	no	"	"			none	"	
		no	"	"	"			good	"	
		yes	yes	"	yes			bad	"	
		yes	"	"	no			"	"	
		no	no	"	"			none	"	
		no	"	"	"			good	"	
		yes	yes	"	yes			bad	"	

* injured ankle.

TABLE No. 1.—Continued from page 111.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
4928	yes	\$500	6%	yes	mortgage		neither	neither	yes	O. of R. T.	no
4939	no					\$16 50	neither	neither	"	O. of R. C.	no
4940							neither	neither	"	no	
4941	yes					10 00	increased	increased	"	"	
4942	no						neither	neither	"	"	
4943	yes						neither	neither	"	"	
4944	no					12 00	increased	neither	"	"	
4945	yes	no				8 00	neither	"	"	"	
4946	yes	no					"	neither	yes	"	
4947	no						"	"	no	"	
4948	yes	no					"	"	yes	"	
4949	no						"	neither	no	"	
4950	no						"	"	yes	"	
4951	"						"	neither	"	O. of R. T.	yes
4952	"						"	increased	yes	no	
4953	"					9 00	"	neither	no	"	
4954	"						"	"	yes	"	
4955	"						increased	"	"	"	
4956	"					15 00	"	"	"	O. of R. T.	yes
4957	"					8 00	"	"	"	"	
4958	no					6 50	neither	neither	no	"	
4959	"						neither	increased	yes	no	
4960	"					20 00	"	"	"	"	
4961	"						"	neither	"	"	
4962	"						increased	increased	"	"	
4963	yes	no				6 50	neither	neither	no	"	
4964	no						increased	neither	"	"	
4965	yes	400	7%	yes	contract		"	"	yes	"	
4966	no						"	"	no	"	
4967	no						increased	increased	yes	"	
4968	"					10 00	neither	"	yes	"	
4969	yes	no					"	"	no	"	
4970	no						increased	increased	yes	"	
4971	"					13 00	increased	increased	"	"	
4972	"					16 00	neither	neither	"	"	
4973	"						increased	increased	"	"	
4974	"					9 00	neither	neither	"	"	
4975	yes	no					"	"	"	"	
4976	"						neither	neither	"	"	
4977	no					15 00	"	"	"	"	
4978	"					15 00	increased	increased	"	"	
4979	"						neither	neither	"	"	
4980	"						"	increased	"	"	
4981	"						"	neither	"	"	
4982	"						"	increased	"	"	
4983	"						"	neither	"	"	
4984	"						"	increased	"	"	
4985	"						"	neither	"	"	
4986	"						"	increased	"	"	
4987	"					13 00	"	"	"	"	
4988	"						"	neither	"	"	
4989	"						"	increased	"	"	
4990	"						increased	"	"	"	
4991	"						neither	neither	"	"	
4992	"						"	"	"	"	
4993	yes	no					neither	neither	no	"	
4994	no						"	"	yes	"	
4995	"					6 00	increased	"	no	"	
5026	"	200	7%				"	"	"	"	
5027	yes	300	7%	no	mortgage		increased	neither	no	no	
5028	no					8 00	neither	neither	"	"	
5029	yes	no					"	neither	"	"	
5030	"	210	7%	yes	contract		"	"	yes	"	
5031	"	no					"	"	no	"	
5032	no					10 00	neither	neither	"	"	
5033	"					5 00	"	"	"	"	

Railway employes.

[illegible]

TABLE No. 1.—Continued from page 113.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5034	yes	no					neither	neither	no	no	
5035	yes	\$125	6%	yes	contract		increased	neither	yes	"	
5036	yes	400	7%	yes	mortgage		neither	neither	no	"	
5037	yes	1,300	7%	no		\$4 00	increased		yes	"	
5038	no						neither	increased	no	"	
5039	yes	no				7 00	neither	neither	yes	"	
5040	yes						increased		no	"	
5041	no						neither	neither	yes	"	
5042	yes					5 00	neither	neither	no	"	
5043	no					6 00	neither	neither	yes	"	
5044	yes	no					increased		no	"	
5045	yes						neither	neither	yes	"	
5046	yes						increased		no	"	
5047	yes						neither	neither	yes	"	
5048	yes	no					increased		no	"	
5049	yes	no					neither	neither	yes	"	
5050	yes						increased		no	"	
5051	yes						neither	neither	yes	"	
5052	yes						increased		no	"	
5053	yes	700	7%	yes	mortgage	5 00	neither	neither	yes	"	
5054	no						increased		no	"	
5055	yes	no					neither	neither	yes	"	
5056	yes	no					increased		no	"	
5057	yes	300	6%	yes	mortgage		neither	neither	yes	"	
5058	yes	no					increased		no	"	
5059	yes	no				5 00	neither	neither	yes	"	
5060	no						increased		no	"	
5061	yes	no					neither	neither	yes	"	
5062	yes	700	5%	yes	mortgage		neither	neither	yes	"	
5063	yes	no					increased		no	"	
5064	yes	200	5%	yes	mortgage		neither	neither	yes	"	
5065	yes	no					increased		no	"	
5066	yes	150	6%	yes	mortgage		neither	neither	yes	"	
5067	yes	no					increased		no	"	
5068	yes	300	6%	yes	contract		neither	neither	yes	"	
5069	yes	no					increased		no	"	
5070	no					6 00	neither	neither	yes	"	
5071	yes	no				9 00	neither	neither	yes	"	
5072	yes	425	6%	yes	contract		neither	neither	yes	"	
5073	yes	800	6%	yes	mortgage		neither	neither	yes	"	
5074	yes	50	7%	yes	mortgage		neither	neither	yes	"	
5075	yes	200	7%	yes	mortgage		neither	neither	yes	"	
5076	yes	no				6 00	neither	neither	yes	"	
5077	yes	no					increased		no	"	
5078	yes	no					neither	neither	yes	"	
5079	yes	no				5 00	neither	neither	yes	"	
5080	yes	no					increased		no	"	
5081	yes	500	6%	yes	contract		neither	neither	yes	"	
5082	yes	no					increased		no	"	
5083	yes	no				5 00	neither	neither	yes	"	
5084	yes	no				8 00	neither	neither	yes	"	
5085	yes	1,400	7%	yes	mortgage	7 00	neither	neither	yes	"	
5086	yes	no					increased		no	"	
5087	yes	no					neither	neither	yes	"	
5088	yes	no				12 00	increased		yes	"	
5089	yes	no				9 00	neither	neither	yes	"	
5090	yes	no				7 00	neither	neither	yes	"	
5091	yes	no				20 00	neither	neither	yes	"	
5092	yes	no					increased		no	"	
5093	yes	no					neither	neither	yes	"	
5094	yes	no					increased		no	"	
5095	yes	no					neither	neither	yes	"	
5096	yes	no					increased		no	"	
5097	yes	no					neither	neither	yes	"	
5098	yes	no					increased		no	"	
5099	yes	no					neither	neither	yes	"	
5100	yes	no					increased		no	"	
5101	yes	no					neither	neither	yes	"	
5102	yes	no					increased		no	"	
5103	yes	no					neither	neither	yes	"	
5104	yes	no					increased		no	"	
5105	yes	no					neither	neither	yes	"	
5106	yes	no					increased		no	"	
5107	yes	no					neither	neither	yes	"	
5108	yes	no					increased		no	"	
5109	yes	no					neither	neither	yes	"	
5110	yes	no					increased		no	"	
5111	yes	no					neither	neither	yes	"	
5112	no						increased		no	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurances.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	yes			good	none	
		"	"	"	"			good	broke leg and foot	
		"	"	"	yes			"	none	
		"	"	yes	no			"	injured hand	
		yes	no	no	yes			none	none	
		no	no	yes	no			good	"	
		yes	no	no	yes			none	"	
		no	no	no	no			good	"	
		yes	no	no	no			"	"	
		no	"	"	yes			"	"	
		yes	"	"	no			"	"	
		no	"	"	yes			"	"	
		no	"	"	no			"	"	
		yes	"	"	no			"	injured head	
		"	"	"	yes			"	none	
		"	"	"	"			bad	lost two fingers	
		"	"	"	"			none	injured eye	
		"	"	"	"			good	none	
		"	"	"	"			"	"	
		"	"	"	"			fair	"	
		no	"	"	"			good	"	
		yes	"	"	no			fair	"	
		"	"	"	yes			"	"	
		no	"	"	"			"	"	
		yes	"	"	"			"	"	
		no	"	"	"			"	"	
		yes	"	no	"			bad	"	
		"	"	"	"			good	"	
		no	"	"	"			fair	raptured	
		yes	"	"	"			"	none	
		no	"	"	"			good	"	
		no	"	"	"			"	"	
		yes	"	"	"			fair	"	
		no	"	"	"			good	"	
		"	"	"	"			"	"	
		no	"	no	"			none	"	
		"	"	"	no			"	"	
		yes	"	"	yes			good	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		no	"	"	no			"	"	
		"	"	"	"			"	"	
		yes	"	"	yes			"	"	
		no	"	"	yes			none	"	
		"	"	"	"			good	"	
		yes	no	"	yes			none	"	
		no	"	"	yes			good	"	

TABLE No. 1.—Continued from page 115.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5113	yes	no					increased	neither	yes	no	
5114	"	"					"	"	"	"	
5115	"	"					"	"	no	"	
5116	"	"					"	"	"	"	
5117	"	\$700	6%	yes	mortgage		"	"	"	"	
5118	"	no					"	"	"	"	
5119	"	no					"	"	"	"	
5120	no					\$8 38	"	"	"	"	
5121	yes	no					neither	"	yes	"	
5122	no					10 00	"	increased	"	"	
5123	"					10 00	"	neither	no	"	
5124	"					10 00	increased	increased	"	"	
5125	yes	no					neither	increased	yes	"	
5126	"	400	6%	yes	mortgage		increased	increased	"	"	
5127	"	no					"	"	no	"	
5128	"	"					neither	"	"	"	
5129	no					12 00	"	neither	"	"	
5130	yes	no					increased	"	"	"	
5143	no						"	neither	yes	K. of L.	yes
5144	yes	300	7%	yes	mortgage		"	"	no	no	
5145	"	no					"	neither	yes	"	
5146	no						increased	"	"	"	
5147	"						neither	"	"	"	
5148	"						increased	"	"	"	
5149	yes	no					neither	"	"	"	
5150	"	"					neither	"	"	"	
5151	"	"					increased	"	"	"	
5152	"	"					neither	"	"	"	
5153	no					8 00	increased	neither	"	"	
5166	"					8 00	"	"	no	"	
5167	yes	no					"	"	"	"	
5168	"						"	neither	yes	"	
5169	"	no				10 00	"	"	no	"	
5170	no						"	"	"	"	
5171	"						neither	"	yes	"	
5172	yes	no					increased	"	no	"	
5173	"	"					neither	"	yes	S. M. A. A.	yes
5174	no					8 00	increased	"	"	no	
5175	"					10 00	neither	"	"	B. of R. T.	yes
5176	"						"	increased	"	no	
5177	yes	450	7%	yes	mortgage		increased	"	no	S. M. A. A.	yes
5178	no						neither	"	yes	no	
5179	"						increased	"	"	"	
5180	"					6 00	neither	"	no	no	
5181	yes	no					increased	decreased	no	no	
5182	"	500	8%				increased	increased	no	"	
5183	"	no					neither	neither	yes	"	
5184	"	"					increased	increased	"	S. M. A. A.	yes
5185	no						neither	neither	"	"	
5186	"					8 00	increased	"	no	S. M. A. A.	yes
5187	"					6 00	"	increased	yes	no	
5188	"						"	"	no	"	
5189	yes	no					neither	neither	yes	"	
5190	"	"					"	"	no	"	
5191	"	"					"	"	yes	"	
5192	"	"					"	"	no	"	
5193	"	"					"	"	yes	no	
5194	no					7 00	increased	increased	"	"	
5195	"						neither	neither	"	"	
5196	yes	no					"	decreased	"	"	
5197	no					8 50	"	neither	no	"	
5198	yes						"	increased	yes	"	
5199	"	200	7%		mortgage		"	"	"	"	
5200	"	no					"	"	"	"	
5201	"	800	7%	yes	contract	7 00	increased	"	"	"	
5202	"						"	"	"	"	

Railway Employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	yes	no	no	yes	---	---	good	none	
---	---	"	"	"	"	---	---	"	"	
---	---	no	"	"	"	---	---	"	"	
---	---	yes	"	"	no	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	no	"	"	yes	---	---	"	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	no	"	no	"	---	---	"	"	
---	---	yes	"	"	no	yes	same	none	broken ankle	
---	---	"	"	"	"	---	---	"	none	
---	---	"	"	"	yes	---	---	good	"	
---	---	no	---	no	"	yes	same	none	"	
---	---	yes	"	"	"	---	---	good	"	
---	---	no	no	"	no	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
yes	yes	"	"	"	yes	---	---	bad	"	
---	---	"	"	"	"	---	---	good	"	
---	---	"	"	"	no	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	no	no	"	yes	---	---	"	"	
---	---	yes	"	"	no	---	---	"	"	
---	---	no	"	"	yes	---	---	"	"	
---	---	no	"	"	no	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	no	"	"	yes	---	---	"	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	no	"	"	no	---	---	"	"	
---	---	yes	"	"	no	---	---	"	"	
---	---	no	"	"	yes	---	---	"	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	no	no	"	yes	---	---	"	"	
---	---	no	"	"	"	---	---	"	"	
---	---	yes	"	"	no	---	---	"	"	
yes	yes	"	"	"	"	---	---	none	"	
---	---	"	"	"	yes	---	---	good	"	
yes	yes	no	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
yes	yes	"	"	no	"	---	---	none	"	
---	---	"	"	"	"	---	---	good	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	"	yes	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	no	no	"	"	---	---	none	"	
---	---	"	"	"	"	---	---	"	"	
yes	yes	yes	yes	"	"	---	---	none	"	
---	---	"	"	"	"	---	---	"	"	
yes	yes	no	no	no	no	---	---	none	"	
yes	yes	"	no	"	yes	---	---	"	"	
---	---	"	"	"	no	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	yes	---	---	fair	"	
---	---	yes	"	"	no	yes	same	none	"	
---	---	"	"	"	"	---	---	"	"	
---	---	no	no	"	yes	---	---	good	"	
---	---	"	"	"	no	yes	same	none	none	} Came to Am. when a child.
---	---	"	"	"	yes	---	---	fair	"	
---	---	"	"	"	yes	---	---	none	"	
---	---	"	"	"	"	---	---	good	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	no	"	no	"	yes	same	none	"	
---	---	yes	yes	"	"	---	---	"	"	
---	---	"	"	"	yes	---	---	good	"	
---	---	"	no	"	"	yes	same	"	finger smashed	
---	---	"	"	"	"	---	---	"	none	

TABLE No. 1.—Continued from page 117.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5203	no					\$7 00	increased	increased	yes		
5204	yes					6 00	neither	increased	no	no	
5205	yes	no					increased	neither	no		
5206	no					3 50	neither	neither	no		
5207	yes	no							no		
5208	no					5 00	increased	neither	yes		
5209	yes					8 00			no		
5210						4 00	neither		yes		
5211	yes	no					increased	increased	no		
5212								neither	yes		
5213								inc. \$100	no		
5214									no		
5215	no					4 00			yes		
5216	yes	no					neither	neither	no		
5217									no		
5218									no		
5219		\$300	6%	no	contract				no		
5220	no					7 00	increased	decreased	no		
5221	yes	no					increased	increased	no		
5222							neither	neither	no		
5223								decreased	yes		
5224								neither	no		
5225							increased		no		
5226								increased	yes		
5227							neither	neither	no		
5228	no								yes		
5229						5 00	increased	increased	no		
5230						10 00	neither	neither	no		
5231	yes	no							no		
5232	no					4 00	increased	increased	no		
5233						6 00	neither	neither	no		
5234									yes		
5235	yes	no				7 00	increased	increased	no		
5236	no						neither	neither	yes		
5237									no		
5238	yes	no						neither	no		
5239		400	7%	yes	mortgage				no		
5240									no		
5241	no						neither		no		
5242	yes	no							no		
5243		150	7%	yes	mortgage		neither	neither	no		
5244	no					5 00			no		
5245						6 00			no		
5246						5 00		decreased	no		
5247						4 25		neither	no		
5248	yes	no							no		
5249						4 25			no		
5250	yes	300	6%	yes	contract				no		
5251	yes	150	7%		mortgage		increased		no		
5252	no					3 00	neither		no		
5253	yes	no					increased		no		
5254									no		
5255		500	6%	yes	mortgage			neither	no		
5256	no								no		
5257	yes	175	6%	yes	mortgage			increased	yes		
5258	no						neither	neither	no		
5259	yes	no					increased	increased	yes		
5260	no					6 00			no		
5261						6 00			yes		
5262	no					4 00			no		
5263	yes	no					neither		no		
5264									no		
5265									no		
5266									no		
5267									no		
5268									no		
5269									no		
5270									no		
5271									no		
5272	no						increased		no		
5273	yes	no							no		
5274									no		
5275		500	6%	yes	mortgage			neither	no		
5276	no								no		
5277	yes	175	6%	yes	mortgage			increased	yes		
5278	no						neither	neither	no		
5279	yes	no					increased	increased	yes		
5280	no					6 00			no		
5281						6 00			yes		
5282	no					4 00			no		
5283	yes	no					neither		no		
5284	no								no		
5285									no		
5286							increased	increased	no	F. H. A. A.	no
5287						3 50	neither	neither	no	no	

Railway Employees.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	yes			good	none	
		no	"	"	"			"	"	
		"	"	no	"			fair	broke a leg none	
		yes	no	no	no	yes	less	good	none	
		yes	yes	yes	yes	yes	same	good	inj'd by fall, from car none	
		"	no	yes	"			bad	"	
		"		no	"			good	smashed finger	
								bad	lost one eye	
								good	none	
								bad	"	
		no	no	no	no	no	less			
		yes	no	no	yes			good	none	
		no	"	"	"			"	"	
		yes	"	"	no	yes	same	"	"	
		"	"	"	"			none	"	
		no	"	no	"	yes	same	good	"	
		"	"	"	"			fair	broke an arm	
		"	"	"	yes			good	none	
		yes	"	"	"			none	"	
		no	"	"	"			"	"	
		yes	"	"	"	yes	same	"	"	
		no	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		"	"	"	"			"	"	
		yes	"	"	"	yes	same	good	"	
		no	no	no	no	no	less	"	"	
		no	"	no	yes	yes	same	"	"	
		yes	"	"	"			"	"	
		no	"	"	"			"	"	
		"	"	"	"	yes	same	"	"	
		"	"	no	"	"		"	"	
		yes	"	"	no			good	"	
		no	"	"	yes			none	"	
		yes	"	"	"			good	"	
		yes	no	no	no			good	"	
		"	"	"	"			"	"	
		yes	"	"	"	yes	same	none	"	
		"	"	"	yes	no		bad	"	
		"	"	"	"	no		none	"	
		no	"	no	"	yes	same	"	"	
		"	no	"	"	"		bad	"	
		yes	yes	"	yes			none	"	
		no	no	"	"			"	"	
yes	yes	"	"	"	yes	no	less	"	"	
		"	"	"	no			"	"	

Work half day every fourth Sunday.

Work half day every fourth Sunday.

TABLE No. 1.—Continued from page 119.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5288	no						neither	neither	yes	F. H. A. A.	no
5289	"						"	"	"	"	"
5306	yes	\$300	7%	yes	mortgage		increased	"	"	no	"
5307	no					\$5 00	"	increased	"	"	"
5308	yes	no				2 50	increased	increased	yes	K. of L.	yes
5309	yes	no					"	"	"	no	"
5310	"						"	"	"	"	"
5311	"						"	"	"	"	"
5312	yes	no					increased	increased	"	"	"
5313	"	"					neither	"	no	"	"
5314	no					3 00	"	neither	"	"	"
5315	"						"	"	"	"	"
5316	yes	no					"	neither	"	"	"
5317	"	300	7%	yes	mortgage		"	"	yes	"	"
5318	"						"	"	"	"	"
5319	no					4 00	neither	"	no	no	"
5320	"					8 00	increased	"	"	"	"
5321	yes	100	6%	yes	mortgage		"	"	"	"	"
5322	"	no					"	neither	"	"	"
5323	"						"	"	"	"	"
5324	"	250	5%	yes	mortgage		"	neither	"	"	"
5325	no					7 00	neither	"	"	"	"
5326	"					8 00	increased	"	"	"	"
5327	yes	250	6%	yes	mortgage		"	"	"	"	"
5328	no					9 00	neither	"	"	"	"
5329	"						"	"	"	"	"
5330	"						"	"	"	"	"
5331	no					5 00	increased	increased	no	"	"
5332	yes	no					neither	neither	yes	"	"
5333	no						"	"	"	"	"
5334	"						"	"	"	"	"
5335	yes	no					increased	increased	"	B. of L. F.	yes
5336	"	"					neither	"	"	no	"
5337	no						"	neither	"	"	"
5338	"						"	"	"	"	"
5339	"					12 00	increased	"	no	"	"
5340	"						neither	"	"	"	"
5341	"						"	"	"	"	"
5342	"						"	"	"	"	"
5343	"					10 00	increased	increased	yes	B. of R. T.	yes
5344	yes	no					"	"	"	"	"
5345	no						neither	neither	"	O. of R. C.	"
5346	"					9 00	increased	increased	"	"	"
5347	yes	no					"	"	"	"	"
5348	"	"					"	"	"	"	"
5349	"	"					neither	neither	"	"	"
5350	"	"					increased	increased	"	"	"
5351	"	"					"	"	"	"	"
5352	"	"					"	"	"	"	"
5353	"	"					"	"	"	"	"
5354	"	"					"	"	"	"	"
5355	no					10 00	"	"	"	"	"
5356	yes	no					"	"	"	B. of R. T.	"
5357	"	"					"	"	"	"	"
5358	no						neither	neither	"	"	"
5359	"					10 00	increased	increased	"	no	"
5360	"					10 00	"	"	"	O. of R. C.	no
5361	"					9 50	"	"	"	"	"
5362	"					9 00	"	"	no	O. of R. C.	no
5363	"					12 00	"	"	yes	"	yes
5364	"					15 00	"	"	"	B. of R. T. & O. of R. C.	"
5365	yes	no					"	"	yes	O. of R. C.	"
5366	"	600			mortgage		"	"	"	"	"
5367	no					12 00	"	"	"	B. of R. T.	"
5368	"					14 00	"	"	"	"	"
5369	"					10 00	"	"	no	"	"

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
no	yes	no	no	no	no			none		
		yes	yes	"	yes		less	"	none	
		no	no	"	"			"	"	
no	yes	yes	"	"	"			good	"	
		no	"	"	no	yes	same	fair	"	
		yes	no	"	yes	"	"	none	"	
		"	yes	"	no	"	"	good	"	
		"	no	no	"	"	"	fair	"	
		no	"	"	"			good	"	
		"	"	"	yes			fair	"	
	yes	"	yes	no	yes	yes		good	"	
		no	"	yes	yes			good	"	
		yes	no	no	no			fair		
		no	no	no	yes			good	none	
		yes	"	no	"			good	"	
		no	"	"	"			"	"	
		yes	"	"	"			"	"	
		no	"	"	no			"	"	
		yes	"	"	no			"	"	
		no	"	"	yes			"	"	
		yes	"	"	no			"	"	
		no	no	"	"			"	"	
		yes	no	"	"	yes	less	none	"	
		no	"	"	"			"	"	
yes	no	yes	"	"	yes			good	"	
		"	no	"	"			none	"	
		"	no	no	yes			good	"	
		"	"	"	no			"	"	
yes	yes	"	"	"	"	yes	less	none	"	
		no	yes	"	"			"	"	
		"	"	"	yes			bad	"	
		"	no	"	"			none	"	
		"	yes	"	"			"	"	
		"	no	"	"			bad	"	
		"	"	"	"			none	"	
yes	yes	"	"	"	no			"	"	
	no	"	"	"	"			"	"	
	yes	"	"	"	yes			"	"	
	"	"	yes	"	no			"	"	
yes	no	"	no	"	yes			bad	back injured	
		"	yes	"	"			none	lost one finger	
yes	yes	"	yes	no	"			good	none	
		"	yes	yes	"			bad	hand injured	
		"	"	"	no			fair	none	
		no	no	"	yes			bad	"	
		yes	"	"	no			"	"	
	yes	yes	yes	yes	yes	yes	less	good	sprained ankle	
		"	"	"	yes	no	same	bad	none	
		"	"	"	"			good	hand crushed	

TABLE No. 1.—Continued from page 121.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5370	no						increased	increased	yes	B. of R. T.	yes
5371	yes	\$280	7%	yes	mortgage		"	"	"	O. of R. C.	"
5372	no						"	"	"	B. of R. T.	"
5373						\$5 00	"	"	"		"
5374	"					22 00	"	inc. 33% increased	"	O. of R. C.	"
5375						15 00	"	"	"		"
5376						10 00	"	"	no	B. of R. T.	"
5377	no					10 00	"	"	yes	O. of R. C.	"
5378	yes	no					"	"	"		"
5379	no					10 00	"	"	"		"
5380	"						"	"	"		"
5381	yes	no					"	"	"		"
5382	no					12 00	"	"	"	O. of R. C. & B. of R. T.	"
5383							"	"	"	B. of R. T.	"
5384	yes	300	7%	yes	mortgage		"	"	"		"
5385	"	no					"	"	"		"
5386	no						"	"	"		"
5387	yes	250	7%	yes			"	"	no		"
5388	no					12 00	"	"	yes		"
5389	yes	yes*			mortgage		"	"	"		"
5390	"	300	7%	yes			"	"	"	no	"
5391	no					10 00	"	"	no	B. of R. T.	yes
5392	"					11 00	"	"	yes	"	"
5393	"						"	"	"		"
5394	"						"	"	"	no	"
5395	yes	no					"	"	yes	B. of R. T. & O. of R. C.	yes
5396	"	"					"	"	"	O. of R. C.	"
5397	no					13 00	"	"	"	B. of R. T.	"
5398	"					10 00	"	"	"	O. of R. C.	"
5399	"						"	"	"		"
5400	"					10 00	"	"	"	B. of R. T.	"
5401	yes	no					"	"	"	O. of R. C.	"
5402	"	400	7%	yes	mortgage		"	"	"		"
5403	"	no					"	"	"		"
5404	no					15 00	"	"	"		"
5405	"						"	"	no		"
5406	"						"	"	yes		"
5407	"					15 00	"	"	"		"
5408	"					15 00	"	"	"	B. of R. T.	"
5409	"					10 00	"	"	"		"
5410	yes	500	7%	yes	mortgage		"	"	no	B. of R. T. & O. of R. C.	"
5411	"	no					"	"	yes	B. of R. T.	"
5412	"	"					"	"	"	O. of R. C.	"
5413	no						"	"	"	B. of R. T.	"
5414	yes	no					"	"	"		"
5415	no					10 50	"	"	"		"
5416	"						"	"	"		"
5417	yes	yes*					"	"	"	O. of R. C.	"
5418	"	500	6%	yes	mortgage		"	"	"		"
5419	no						"	"	no		"
5420	yes	600	7%	yes	mortgage		"	"	yes	O. of R. C.	yes
5421	no					12 00	"	"	no		"
5422	yes			yes	contract	12 00	"	"	"	B. of R. T.	"
5423	no					15 00	"	"	"	O. of R. C.	"
5424	yes	no					"	"	yes		"
5425	"	yes*					"	"	"	B. of R. T.	"
5426	no					12 00	neither	neither	"	no	"
5427	yes	yes*		yes			"	"	"	O. of R. C.	"
5428	no						"	"	"		yes
5429	yes	no					increased	increased	"	B. of L. R.	"
5430	"	"					"	"	"		"
5431	"	"					"	"	"		"
5432	"	"					"	"	"		"
5433	"	"					"	"	"		"
5434	"	"					"	"	"		"
5435	"	"					"	"	"	no	"

* Does not say what.

Railways Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	no	no	yes	yes			fair	lost one finger	
"	"	yes	no	"	"			"	none	
"	"	yes	yes	"	"			"	"	
"	"	yes	yes	"	"			good	leg and hip broken	
"	"	"	"	"	"			fair	none	
"	"	no	no	"	yes			bad	yes*	
"	"	yes	no	"	"	yes	less	fair	none	
"	"	no	no	"	"			good	"	
"	"	yes	yes	"	"			bad	lost two fingers	
"	yes	no	no	"	yes			good	none	
"	"	yes	yes	"	"			fair	lost one finger	
"	"	no	no	"	no			good	none	
"	"	no	yes	"	"			fair	"	
"	"	yes	no	"	"			good	"	
"	"	no	no	"	yes			"	"	
"	"	yes	yes	"	no			fair	"	
"	"	no	no	"	"			good	"	
yes	yes	no	yes	"	yes	yes	same	bad	"	
"	"	yes	yes	"	no	no	less	fair	"	
"	"	"	"	"	yes	no	less	good	"	
yes	yes	no	no	"	yes			fair	"	
"	"	yes	"	"	"	yes	less	good	skull fractured	
"	"	yes	"	"	"			fair	none	
"	"	"	yes	"	yes			"	"	
"	"	"	no	"	"			"	"	
yes	yes	"	yes	"	no			"	"	
yes	yes	no	no	yes	no			good	lost part of 3 fingers	
"	"	yes	"	"	yes			fair	none	
"	"	"	yes	"	no			good	"	
"	"	"	no	"	"			"	"	
"	"	"	yes	"	"			fair	"	
"	"	"	"	"	yes			none	"	
"	"	"	no	yes	no			fair	"	
"	"	yes	yes	"	yes			bad	"	
"	"	no	no	"	"			fair	"	
"	"	yes	"	"	no			good	"	
yes	yes	yes	yes	yes	no			fair	none	
"	"	"	"	"	"			good	"	
yes	yes	yes	yes	"	"			fair	"	
"	"	no	no	yes	"			good	"	
"	"	yes	"	"	yes			fair	"	
yes	yes	no	"	no	no	yes	same	good	"	
"	no	yes	yes	"	yes	no	less	none	"	
"	"	"	"	"	yes			"	"	
"	"	"	no	yes	"			"	none	
"	"	"	"	"	"			"	"	
"	"	"	"	"	yes			"	"	

* Does not say what.

TABLE No. 1.—Continued from page 123.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5436	yes	no				\$14 00	neither	increased	yes	B. of L. E.	yes
5437	no	\$1,900	7%	yes	contract	5 00	increased	"	"	no	yes
5438	no									B. of L. E.	yes
5439										"	
5440	yes	no				12 00	increased	increased	yes	B. of L. E. & B. of L. F.	yes
5441	no						"	"	"	B. of L. E.	"
5442	yes	no					"	"	"	"	"
5443							"	"	"	no	
5444	"	"					"	"	"	B. of L. E. & B. of L. F.	yes
5445	"	"					"	"	"	B. of L. E.	"
5446	"	"					"	"	"	B. of L. F.	"
5447	"	"			mortgage		"	"	"	B. of L. E.	"
5448	"	yes*				15 00	"	"	"	B. of L. E. & B. of L. F.	"
5449	no						"	"	"	B. of L. F.	"
5450	yes	no				15 00	"	"	"	B. of L. E.	"
5451	no						"	"	"	no	yes
5452	yes	no					"	"	no	B. of L. E.	"
5453							"	"	"	"	
5454	no						"	"	yes	B. of L. E. & B. of L. F.	"
5455	yes	400		yes	contract		"	"	yes	B. of L. E.	"
5456	"	yes*					"	"	no	B. of L. E.	"
5457	"	no					"	"	"	B. of L. E. & B. of L. F.	"
5458							"	"	"	B. of L. E.	"
5459	no					12 00	neither	neither	yes	"	
5460	"					12 00	"	increased	"	"	
5461	"					10 00	increased	"	"	B. of L. F.	yes
5462	"					8 00	neither	neither	"	yes*	
5463	"						"	increased	"	no	
5464	yes	no					"	increased	"	B. of L. E.	yes
5465	"						"	increased	"	no	yes
5466	"						"	increased	"	B. of L. E.	yes
5467	"						"	increased	"	B. of L. E.	yes
5468	"	no				10 50	"	neither	"	no	yes
5469	yes		7%		mortgage	10 00	"	increased	"	B. of L. F.	yes
5470	no					12 00	neither	neither	no	B. of L. E.	yes
5471	yes					12 00	increased	increased	yes	"	yes
5472	no					12 00	increased	increased	no	"	no
5473	"					10 00	neither	neither	yes	"	no
5474	"					12 00	increased	increased	yes	B. of L. F.	yes
5475	"					12 00	increased	increased	no	"	no
5476	"					12 00	neither	neither	yes	"	no
5477	"					11 00	"	"	yes	no	
5478							"	"	"	B. of L. E. & B. of L. F.	no
5479	no					10 00	increased	increased	"	B. of L. F.	yes
5480	"						neither	neither	"	"	no
5481	"						increased	increased	no	"	no
5482	"						neither	neither	no	"	no
5483	"						increased	increased	"	no	yes
5484	"						"	"	yes	B. of L. F.	yes
5485	"						increased	"	no	"	"
5486	"					12 00	"	neither	yes	"	"
5487	"					11 00	neither	neither	yes	no	
5488	"					11 00	increased	increased	yes	"	yes
5489	"						"	"	yes	B. of L. F.	yes
5490	"						"	"	yes	"	"
5491	"						"	"	yes	"	"
5492	"						"	"	no	"	"
5493	"						"	"	yes	"	"
5494	"						"	"	no	"	"
5495	"						"	"	yes	B. of L. F.	yes
5496	"						"	"	no	"	"
5497	"						"	"	yes	"	"
5498	"						"	"	no	"	"
5499	"					12 00	"	"	"	B. of L. F.	yes
5500	"						"	"	yes	no	
5501	yes	no					"	"	no	B. of L. F.	yes

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes		yes	yes			none		
yes	yes	no			no			bad	none	
									arm and skull broken	
yes	yes	yes	yes	yes	yes	yes	less	fair	none	
"	"	"	"	"	no	"	"	good	"	
"	"	"	yes	"	"	"	"	bad	"	
"	"	"	no	"	"	"	"	good	"	
yes	yes	"	"	"	"	yes	less	bad	"	
"	"	"	yes	"	no	yes	less	"	"	
yes	yes	no	"	"	yes	"	"	"	"	
"	"	"	"	"	no	"	"	"	"	
"	"	yes	yes	"	yes	"	"	fair	"	
"	"	"	"	"	no	"	"	bad	"	
"	"	yes	"	"	"	"	less	good	"	
		no	"	"	"	yes	"	fair	"	
yes	yes	yes	"	"	yes	"	"	"	"	
"	"	"	"	"	no	"	"	bad	"	
"	"	"	"	"	yes	"	"	fair	"	
"	yes	yes	yes	yes	"	"	"	good	"	
"	yes	yes	no	yes	yes	yes	same	bad	"	
"	"	no	"	"	no	"	less	none	"	
yes	yes	"	"	"	yes	"	"	good	"	
		"	"	"	no	"	"	bad	"	
		yes	yes	yes	yes	yes	same	good	"	
yes	yes	"	"	yes	"	"	"	good	"	
yes	yes	"	yes	yes	"	"	"	bad	"	
yes	no	no	yes	no	no	yes	same	good	"	
yes	no	"	"	yes	yes	"	"	"	injured in collision	
yes	no	yes	no	"	"	"	"	none	none	
yes	no	"	"	"	"	"	"	"	"	
yes	no	"	"	"	no	"	"	"	"	
no	yes	"	"	no	yes	"	"	good	"	
"	"	"	"	"	"	"	"	"	"	
no	yes	"	"	no	no	"	"	"	"	
yes	yes	no	"	"	yes	"	"	none	"	
"	"	yes	"	yes	"	"	"	"	"	
"	"	no	"	yes	"	"	"	bad	"	
"	"	yes	yes	no	"	"	"	none	two ribs broken	
yes	yes	no	"	"	no	"	"	"	none	
"	"	"	"	yes	yes	"	"	bad	injured in collision	
"	"	"	"	"	no	"	"	good	none	
		yes	"	no	yes	"	"	none	"	
yes	yes	"	yes	yes	"	"	"	bad	"	
"	"	"	no	"	"	"	"	"	"	
"	"	"	yes	"	"	"	"	"	"	
"	"	"	no	"	no	"	"	good	scalded and bruised *	
"	"	"	yes	"	yes	"	"	fair	none	
"	"	"	no	"	"	"	"	bad	"	
yes	yes	"	yes	"	"	"	"	"	"	
yes	"	"	yes	"	no	"	"	"	"	
		no	"	no	yes	"	"	fair	"	
		"	"	"	no	"	"	bad	"	
		"	no	"	no	"	less	good	"	
		"	"	"	"	"	"	fair	"	

* in collision.

TABLE No. 1.—Continued from page 125.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5502	no					\$10 00	increased	increased	no	B. of L. F.	yes
5503	"					8 00	"	"	"	"	"
5504	"					8 00	neither	"	yes*	"	"
5505	"					3 50	"	neither	yes	"	"
5506	"					11 00	increased	increased	no	"	"
5507	"					12 00	"	neither	yes	B. of L. F.	yes
5508	"					8 00	"	increased	no	"	"
5509	"						neither	neither	yes	"	"
5510	"						"	"	"	"	"
5511	yes	no					increased	increased	"	"	"
5512	no						neither	neither	"	"	"
5513	yes	no							"	B. of L. F.	"
5514	no					8 00	increased	"	yes	"	yes
5515	"					8 00	"	increased	"	"	"
5516	"					8 00	"	"	no	"	"
5517	"					8 00	"	"	"	"	"
5518	yes	\$275	7%	yes	mortgage		"	"	yes	B. of R. T.	yes
5519	"	350	7%	"	contract		"	"	"	"	"
5520	no					9 00	"	"	"	"	"
5521	"						neither	neither	"	"	"
5522	yes	no					increased	increased	"	"	"
5523	no						neither	neither	"	"	"
5524	"					8 00	increased	increased	"	B. of R. T.	yes
5525	yes	no					"	"	"	"	"
5526	no						neither	neither	"	no	"
5527	yes	no					increased	increased	"	B. of R. T.	yes
5528	no					8 00	"	"	"	"	"
5529	"						neither	neither	"	no	"
5530	yes	no					increased	increased	"	B. of R. T.	yes
5531	no					8 00	"	"	"	"	"
5532	yes	350	7%	yes	contract		"	"	yes	"	"
5533	"	250	7%	"	"		"	"	"	no	"
5534	no					16 00	neither	neither	"	B. of R. T.	yes
5535	"					9 00	increased	increased	"	"	"
5536	"					3 00	"	"	"	no	"
5537	"					10 00	neither	neither	"	"	"
5538	"						"	"	"	B. of R. T.	yes
5539	"						"	"	"	"	"
5540	"					10 00	"	"	"	no	"
5541	"					7 00	increased	increased	no	"	"
5542	"						"	"	yes	"	"
5543	"					6 00	"	"	"	"	"
5544	"					10 00	"	"	"	O. of R. C.	yes
5545	yes	no					"	"	"	no	"
5546	"						neither	neither	"	B. of R. T.	yes
5547	no					8 00	"	increased	no	"	"
5548	"					7 00	"	neither	"	no	"
5549	"					12 00	increased	increased	yes	B. of R. T.	yes
5550	"					25 00	"	"	no	"	"
5551	"					10 00	"	"	yes	"	"
5552	"					25 00	"	"	"	"	"
5553	"						"	"	no	"	"
5554	"					15 00	"	"	"	"	"
5555	"					10 00	"	"	yes	"	"
5556	"					10 00	"	"	"	"	"
5557	"						"	"	no	"	"
5558	"						"	"	"	"	"
5559	"					25 00	"	"	"	"	"
5560	"					25 00	"	"	"	"	"
5561	"					25 00	"	"	"	"	"
5562	"					10 00	"	"	"	"	"
5563	"					20 00	"	"	yes	"	"
5564	"					5 00	"	"	no	"	"
5565	"						"	"	"	"	"
5566	"						"	"	"	no	"
5567	"						"	"	yes	B. of R. T.	yes

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes		yes	no		yes			bad	lost two fingers	
		no		no	no			good	none	
		yes	no					"	"	
yes	yes	no	"	"	yes			bad	"	
		"	"	"	no			none	"	
		"	"	"	"			good	"	
		"	"	"	"			"	"	
		no	no		yes	yes	same	"	crush. h'd & brok. jaw	
yes	yes		no	no	no			none	none	
		yes	no	yes	yes			"	"	
	no	no	no	yes	"			none	"	
	yes	yes	no	no	"			good	"	
	yes	yes	yes	no	"			bad	"	
	"	no	yes	"	"			none	crushed arm	
	"	yes	"	"	"			"	none	
	"	"	"	"	"			"	crushed hand	
yes	yes	"	"	"	no			"	none	
	"	"	"	"	yes			bad	crushed hand	
	"	"	no	"	no			none	none	
yes	yes	"	"	"	"			"	"	
	"	"	"	"	yes			"	"	
yes	yes	"	"	"	no			"	"	
	"	"	"	"	"			"	"	
	"	"	"	"	yes			"	"	
	"	"	"	"	no			"	"	
yes	yes	"	"	"	"	yes	less	"	"	
	"	"	"	"	no			"	"	
yes	yes	"	"	"	yes			"	crushed finger	
	"	"	"	"	no			"	none	
yes	yes	no	"	"	yes			bad	"	
	"	"	"	"	"			"	lost one finger	
		yes	yes	no	yes			fair	none	
		no	no	no	no			"	"	
yes	no	yes	"	no	yes			none	injured hand	
yes	yes	"	yes	"	"			good	"	
		no	"	"	"			"	jammed between cars	
		"	"	yes	"			"	slight bruises	
yes	yes	no	"	yes	"			"	none	
	"	"	"	"	"	yes	same	"	lost a finger	
	"	yes	"	"	yes			"	none	
	"	no	"	"	no	yes		fair	"	
	"	yes	yes	"	yes			good	broke collar bone *	
	"	no	"	"	"			bad	squeezed, coupl'g cars	
	"	"	"	"	"			none	none	
	"	yes	no	"	no			good	"	
	"	no	"	"	yes			fair	"	
	"	"	"	"	"			"	sprained ankle	
	"	yes	"	"	"			bad	lost one finger	
	"	"	"	"	"			"	none	
	"	no	"	"	"			good	"	
	"	yes	"	"	no	no	less	fair	"	
	"	no	"	"	yes	no	less	good	"	
	"	yes	"	"	"			fair	lost one finger	
	"	no	"	"	"			"	none	
	"	yes	no	yes	yes			"	"	

* and crushed finger.

TABLE No. 1.—Continued from page 127.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5568	no	---	---	---	---	\$5 00	increased	increased	yes	B. of R. T.	yes
5569	---	---	---	---	---	25 00	---	---	---	---	---
5570	---	---	---	---	---	---	---	---	no	no	---
5571	---	---	---	---	---	10 00	---	increased	yes	B. of R. T.	yes
5572	---	---	---	---	---	---	---	---	no	---	---
5573	---	---	---	---	---	8 00	---	---	yes	---	---
5574	---	---	---	---	---	10 00	---	---	---	---	---
5575	---	---	---	---	---	12 00	---	---	---	---	---
5576	---	---	---	---	---	---	---	---	---	---	---
5577	---	---	---	---	---	10 00	---	---	no	B. of R. T.	yes
5578	---	---	---	---	---	---	---	---	yes	---	---
5579	---	---	---	---	---	20 00	---	---	no	---	---
5580	---	---	---	---	---	5 00	---	---	---	---	---
5581	---	---	---	---	---	10 00	---	---	no	---	---
5582	---	---	---	---	---	---	---	---	yes	---	---
5583	---	---	---	---	---	10 00	---	---	---	---	---
5584	---	---	---	---	---	---	---	---	---	---	---
5585	---	---	---	---	---	\$1 00	---	---	---	---	---
5586	---	---	---	---	---	---	---	---	no	---	---
5587	---	---	---	---	---	10 00	---	---	yes	---	---
5588	---	---	---	---	---	---	---	---	---	---	---
5589	---	---	---	---	---	---	---	---	no	---	---
5590	---	---	---	---	---	---	---	---	yes	---	---
5591	---	---	---	---	---	10 00	---	---	no	no	---
5592	---	---	---	---	---	12 00	---	---	---	---	---
5593	---	---	---	---	---	---	---	---	---	B. of R. T.	yes
5594	---	---	---	---	---	---	---	---	---	---	---
5595	yes	no	---	---	---	---	---	---	---	no	---
5596	no	---	---	---	---	---	---	---	yes	B. of R. T.	yes
5597	---	---	---	---	---	---	---	---	---	---	---
5598	---	---	---	---	---	15 00	---	---	no	no	---
5599	---	---	---	---	---	10 00	neither	neither	---	---	---
5600	---	---	---	---	---	5 00	increased	increased	---	---	---
5601	---	---	---	---	---	---	---	---	---	---	---
5602	no	---	---	---	---	---	neither	neither	yes	B. of R. T.	yes
5603	yes	no	---	---	---	---	increased	increased	---	---	---
5604	no	---	---	---	---	8 50	---	---	---	---	---
5605	yes	no	---	---	---	---	---	---	---	---	---
5606	no	---	---	---	---	10 00	neither	---	---	no	---
5607	---	---	---	---	---	10 00	---	---	---	---	---
5608	yes	\$350	7%	yes	contract	---	increased	---	---	---	---
5609	---	no	---	---	---	---	---	---	---	B. of R. T.	yes
5610	---	---	---	---	---	---	---	---	---	no	---
5611	---	250	6%	yes	mortgage	---	---	---	---	B. of R. T.	yes
5612	no	---	---	---	---	10 50	---	---	---	no	---
5613	---	---	---	---	---	10 00	---	---	---	---	---
5614	yes	350	6%	yes	contract	---	---	---	---	B. of R. T.	yes
5615	no	---	---	---	---	8 00	---	---	---	---	---
5616	---	---	---	---	---	10 00	---	---	---	---	---
5617	---	---	---	---	---	8 00	---	---	---	---	---
5618	yes	no	---	---	---	---	---	---	---	no	---
5619	no	---	---	---	---	25 00	neither	neither	no	---	---
5620	yes	no	---	---	---	---	---	---	yes	---	---
5621	---	---	---	---	---	---	increased	inc. 20%	---	---	---
5622	no	---	---	---	---	---	neither	neither	---	O. of R. T.	yes
5623	yes	450	5%	yes	contract	---	---	---	---	no	---
5624	no	---	---	---	---	8 00	---	---	---	O. of R. T.	yes
5625	yes	no	---	---	---	---	---	---	---	---	---
5626	no	---	---	---	---	---	neither	neither	no	R. A. A.	no
5627	---	---	---	---	---	10 00	---	decreased	yes	---	---
5628	yes	no	---	---	---	---	inc. \$25	inc. \$25	no	no	---
5629	no	---	---	---	---	10 00	increased	neither	no	---	---
5630	yes	no	---	---	---	5 50	neither	neither	yes	---	---
5631	no	---	---	---	---	---	increased	increased	no	---	---
5632	---	---	---	---	---	4 50	---	neither	yes	O. of R. T.	yes
5633	yes	no	---	---	---	---	neither	---	no	no	---

Railway Employees.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	no	no	yes	yes			good	none	
yes	yes	yes	"	no	no			fair	lost tips of 2 fingers	
"	"	no	"	yes	no			"	none	
"	"	"	yes	no	yes			"	"	
"	"	no	no	yes	"			"	"	
yes	yes	yes	yes	"	no			good	"	
"	"	no	no	yes	yes			fair	"	
"	"	no	no	yes	yes			bad	"	
"	"	yes	no	"	"			fair	"	
"	"	yes	yes	"	"			fair	"	
"	"	no	"	yes	yes			"	"	
"	"	yes	"	"	"			good	"	
"	"	no	no	"	yes			fair	finger crushed	
"	"	yes	"	"	"			good	none	
"	"	yes	yes	"	"			fair	"	
"	"	no	no	yes	no			"	"	
yes	yes	yes	yes	yes	"	yes	less	"	"	
yes	yes	yes	"	"	yes			"	"	
yes	yes	"	no	no	no			good	"	
"	"	no	yes	no	yes			fair	"	
"	"	yes	yes	no	"			good	injured spine	
"	"	no	yes	"	no			bad	none	
"	"	no	"	"	no			good	lost a finger	
yes	yes	yes	no	"	yes			good	none	
"	"	yes	no	"	"			none	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	"			"	"	
yes	yes	"	"	"	no			"	"	
yes	yes	"	no	"	"			yes	"	
yes	yes	"	"	"	"			"	"	
yes	yes	"	"	"	"			"	"	
yes	yes	"	"	"	no			"	"	
"	"	"	"	"	"			"	"	
"	"	"	"	"	yes			"	"	
"	"	"	yes	"	"			fair	"	
"	"	yes	"	"	"			good	none	
no	yes	no	no	yes	no			"	"	
no	no	no	yes	no	"			none	finger injured	
"	"	no	no	yes	yes			bad	none	
"	"	yes	"	no	"			"	"	
"	"	no	yes	yes	"			good	none	
"	"	yes	no	"	no	yes		none	"	
"	"	no	no	"	no			none	none	
yes	yes	yes	no	yes	yes			good	"	

TABLE No. 1.—Continued from page 129.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5634	yes	\$700	6%	yes	mortgage	-----	neither	increased	yes	no	-----
5635	"	no	"	"	"	-----	increased	neither	"	"	-----
5636	"	"	"	"	"	-----	neither	increased	"	"	-----
5637	no	600	6%	no	"	-----	"	"	yes	"	-----
5638	no	"	"	"	"	-----	"	"	no	"	-----
5639	yes	no	"	"	"	-----	"	neither	yes	"	-----
5640	"	"	"	"	"	-----	"	"	no	"	-----
5641	no	"	"	"	"	\$7 00	neither	neither	no	"	-----
5642	"	"	"	"	"	9 00	increased	"	yes	"	-----
5643	yes	no	"	"	"	-----	neither	neither	"	"	-----
5644	no	"	"	"	"	4 00	"	"	"	"	-----
5645	"	"	"	"	"	-----	"	"	"	"	-----
5646	"	"	"	"	"	11 00	increased	increased	"	"	-----
5647	"	"	"	"	"	15 00	"	"	"	"	-----
5648	"	"	"	"	"	-----	"	"	"	"	-----
5649	"	"	"	"	"	2 00	neither	"	no	"	-----
5650	yes	300	6%	yes	mortgage	-----	"	"	"	"	-----
5651	no	"	"	"	"	6 00	inc. 10%	inc. 20%	"	"	-----
5652	yes	no	"	"	"	-----	neither	neither	yes	"	-----
5653	no	"	"	"	"	14 00	"	"	"	"	-----
5654	"	"	"	"	"	10 00	neither	"	no	no	-----
5655	"	"	"	"	"	14 00	"	neither	"	"	-----
5656	"	"	"	"	"	40 00	increased	inc. 25%	"	"	-----
5657	"	"	"	"	"	12 00	neither	neither	yes	"	-----
5658	"	"	"	"	"	-----	inc. 7%	inc. 10%	"	"	-----
5659	"	"	"	"	"	10 00	neither	"	"	"	-----
5660	yes	no	"	"	"	8 00	"	"	"	"	-----
5661	no	"	"	"	"	-----	"	"	"	"	-----
5662	"	"	"	"	"	-----	"	"	"	O. of R. T.	yes
5663	yes	no	"	"	"	-----	neither	neither	yes	"	-----
5664	no	"	"	"	"	8 00	"	"	"	"	-----
5665	"	"	"	"	"	-----	"	"	"	O. of R. T.	no
5666	"	"	"	"	"	-----	"	"	"	"	yes
5667	"	"	"	"	"	-----	"	"	yes	"	yes
5668	"	"	"	"	"	-----	"	"	"	"	"
5669	"	"	"	"	"	-----	"	"	"	"	"
5670	"	"	"	"	"	9 00	increased	"	"	"	"
5671	"	"	"	"	"	5 00	neither	"	no	no	-----
5672	"	"	"	"	"	-----	increased	neither	yes	"	-----
5673	"	"	"	"	"	-----	neither	increased	"	"	-----
5674	"	"	"	"	"	-----	neither	neither	"	O. of R. T.	yes
5675	yes	1,000	6%	no	contract	-----	increased	increased	no	no	-----
5676	no	"	"	"	"	6 00	neither	"	yes	"	-----
5677	"	"	"	"	"	-----	"	neither	"	O. of R. T.	yes
5678	yes	no	"	"	"	8 00	"	"	yes	O. of R. T.	yes
5679	no	"	"	"	"	-----	"	"	"	O. of R. T.	yes
5680	"	"	"	"	"	-----	neither	neither	"	"	-----
5681	"	"	"	"	"	-----	"	"	"	no	-----
5682	yes	750	7%	yes	"	-----	increased	increased	yes	"	-----
5683	no	"	"	"	"	-----	neither	neither	"	"	-----
5684	"	"	"	"	"	4 18	increased	"	"	O. of R. T.	yes
5685	"	"	"	"	"	30 00	neither	decreased	"	no	-----
5686	"	"	"	"	"	-----	"	"	no	"	-----
5687	"	"	"	"	"	8 50	"	neither	yes	"	-----
5688	"	"	"	"	"	18 00	"	"	"	"	-----
5689	"	"	"	"	"	-----	"	"	"	"	-----
5690	"	"	"	"	"	-----	neither	neither	yes	"	-----
5691	"	"	"	"	"	-----	increased	increased	"	"	-----
5692	no	"	"	"	"	8 00	"	"	"	"	-----
5693	"	"	"	"	"	20 00	neither	neither	yes	"	-----
5694	"	"	"	"	"	-----	"	"	"	"	-----
5695	"	"	"	"	"	10 00	increased	increased	"	"	-----
5696	"	"	"	"	"	-----	"	"	no	"	-----
5697	yes	300	8%	yes	contract	-----	increased	increased	"	"	-----
5810	no	"	"	"	"	-----	neither	"	"	"	-----
5811	"	"	"	"	"	-----	"	"	"	"	-----

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurances.	Have you other accident insurances.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	no	yes	same	good	none	
		"	"	"	yes	yes	same	"	none	
		"	"	"	no	no	same	"	"	
		yes	no	yes	no	"	"	good	"	
		"	yes	"	"	"	"	bad	"	
		"	no	no	"	"	"	good	"	
		"	yes	yes	"	"	"	"	"	
		no	no	yes	"	"	"	none	"	
		yes	yes	"	yes	"	"	"	"	
		"	no	no	no	"	"	"	"	
		no	"	yes	"	"	"	good	"	
		yes	no	no	"	"	"	bad	"	
		"	no	yes	"	"	"	"	"	
		yes	no	yes	"	"	"	good	"	
		no	"	no	no	"	"	"	"	
		yes	no	yes	"	"	"	bad	"	
		"	no	yes	"	"	"	"	"	
		yes	no	no	"	"	"	good	"	
		no	yes	no	"	"	"	"	"	
		yes	no	no	"	yes	same	bad	"	
		yes	"	no	yes	no	"	none	"	
no	no	yes	"	no	yes	no	"	"	fingers crippled	
		no	no	yes	yes	"	"	bad	none	
		"	"	"	yes	"	"	"	"	
no	no	"	"	"	no	yes	same	none	"	
"	yes	yes	"	yes	yes	"	"	fair	"	
"	no	no	no	no	no	"	"	good	"	
yes	yes	"	yes	"	yes	"	"	"	"	
no	"	no	no	"	"	"	"	"	"	
yes	yes	no	"	no	"	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	no	yes	"	"	"	fair	"	
		yes	no	no	"	no	less	none	"	
yes	yes	"	"	yes	"	"	"	good	"	
				no	no	"	"	good	none	
no	yes	yes	no	yes	"	"	"	none	"	
"	yes	no	"	"	"	"	"	"	"	
"	no	yes	"	"	yes	"	"	"	"	
		yes	no	"	"	"	"	good	"	
		no	"	no	no	yes	"	none	"	
no	yes	"	yes	no	no	no	"	good	"	
		"	"	yes	"	"	"	"	none	
		"	no	no	"	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	no	"	yes	"	"	none	"	
		yes	"	"	no	"	"	good	"	
		"	"	"	"	"	"	fair	"	
		"	"	no	"	"	"	good	"	
		"	"	"	"	"	"	none	"	
		no	no	"	yes	"	"	good	"	
		yes	no	"	yes	yes	same	none	"	
		no	"	no	no	"	"	none	"	
		yes	"	"	"	"	"	good	"	

TABLE No. 1.—Continued from page 131.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5812	no						increased	increased	yes	no	
5813						\$7 50	"	"	no	"	
5814	yes	\$1,600	7%	yes	mortgage		"	neither	yes	"	
5815		no					neither	"	"	"	
5816	"	"					"	neither	no	"	
5817	"	"						"	no	yes*	
5818	"	no					increased	"	yes	no	
5819	"	350	7%	yes	mortgage		neither	increased	yes	"	
5820	"	yes*			contract		increased	increased	no	"	
5821	no						increased	"	yes	"	
5822	yes					7 00	"	increased	no	"	
5823	no					13 00	"	"	no	"	
5825	"					10 00	"	"	yes	"	
5825	"						"	"	no	"	
5826	yes	yes*			contract		"	"	no	"	
5827	"	no							yes	no	
5828	"	350	7%	yes	contract		neither	neither	yes	no	
5829	"	600	7%	no	"				"	"	
5830	"	no					increased	increased	"	"	
5831	"	"					neither	deceased	"	"	
5832	"	150	7%	yes	contract		increased	neither	"	"	
5833	"	600	7%	"	mortgage		neither	increased	"	"	
5834	"	no					increased	"	"	"	
5835	"	675	7%	yes	contract		"	"	no	"	
5836	no					7 50	"	"	yes	"	
5837	"					7 00	"	neither	no	"	
5838	"					8 35	neither	neither	yes	"	
5839	"					7 50	increased	increased	no	"	
5840	yes	400	7%	no	contract		neither	"	"	"	
5841	"	no					increased	"	"	"	
5842	"	yes*	7%	yes	mortgage		neither	"	yes	"	
5843	"	no					increased	"	"	"	
5844	no					7 00	neither	"	"	"	
5845	yes	350	7%	yes	contract		increased	"	yes	"	
5846	"	no					"	neither	"	"	
5847	no	no				8 00	increased	increased	no	"	
5848	"					6 50	neither	neither	yes	"	
5849	"					7 50	increased	increased	no	"	
5850	yes	150	5%	yes	mortgage		"	"	yes	"	
5851	"	250	7%	"	"		"	"	yes	"	
5852	"	no					"	"	no	"	
5853	"						neither	"	"	"	
5854	"	200	7%	yes	contract		increased	neither	yes	"	
5855	"	no					"	increased	no	"	
5856	no					10 00	"	"	yes	"	
5857	yes	no					"	increased	no	"	
5858	"	"					"	"	yes	"	
5859	no					9 00	"	"	no	"	
5860	"					9 00	"	"	"	"	
5861	"						"	"	"	"	
5862	"						neither	neither	yes	"	
5863	"						"	"	"	"	
5864	yes	350	7%	yes	contract		increased	increased	"	"	
5865	"	150	7%	"	"		"	neither	"	"	
5866	"	600	7%	no	mortgage		"	increased	no	"	
5867	"	400	7%	yes	"		"	"	yes	"	
5868	no						neither	neither	yes	"	
5869	yes	200	7%	yes	mortgage		increased	increased	"	"	
5870	no					8 00	"	"	"	"	
5871	"					8 00	"	"	no	"	
5872	yes	350	7%	no	contract		"	"	"	"	
5873	no					6 00	"	"	"	"	
5874	yes						"	"	"	"	
5875	no					5 50	neither	neither	yes	"	
5876	yes	500	7%	yes	contract		"	"	no	no	
5877	"	200	8%	"	"		increased	increased	no	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no	no		none		
		yes	yes	"	yes	yes	same	good	none injured hand none	
		no	no	"	yes			"	"	
		yes	"	"	no			"	"	
		no	no	"	no			none fair	"	{ Came to America when a child.
		"	"	yes	no yes			"	"	
		"	no	"	no			good	"	
		yes	yes	yes	yes	yes	less	fair good	"	
		"	no	"	no			fair	"	
		yes	no	no	yes	yes	same	fair	"	
		"	"	"	yes	no	less	none	"	
		"	"	"	yes	no	same	"	"	
		"	"	"	no	yes	less	"	"	
		"	no	"	yes	yes	less	"	"	
		"	"	"	"	yes	less	"	"	
		no	"	"	"	yes	less	"	"	
		yes	"	"	"	"	same	"	"	
		no	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	bad none	"	
		"	"	"	"	no	less	injured hand and leg none	"	
		"	"	"	"	yes	less	none	"	
		"	"	"	no	yes	less	"	"	
		no	"	"	yes	yes	less	"	"	
		yes	"	"	no	yes	less	bad none	"	
		"	no	"	yes	less	less	good none	"	
		no	"	"	"	"	"	"	"	
		yes	"	"	yes	yes	less	"	lost two fingers none	
		"	yes	"	no	"	"	bad	"	
		no	no	no	"	no	less	none	"	
		yes	"	"	yes	no	same	"	"	
		no	"	"	"	yes	less	bad none	"	
		yes	"	"	"	"	"	bad none	"	
		"	"	"	"	yes	same	"	"	
		no	"	"	"	no	"	"	"	
		yes	"	"	"	"	"	good bad good	"	
		no	"	"	"	yes	less	"	"	
		yes	yes	"	no	"	"	none	"	

TABLE No. 1.—Continued from page 133.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5878	yes	no					neither	neither	no		
5879	no						"	"	yes		
5880	"	"					"	"	"		
5881	yes	no					increased	increased	"		
5882	no						"	"	"		
5883	"						"	"	"		
5884	"					\$8 00	increased	increased	yes		
5885	"					8 50	"	"	"		
5886	yes	no					"	"	no		
5887	"	"					neither	decreased	yes		
5888	"	"					"	neither	"		
5889	"	no					"	"	"		
5890	"	yes*	7%		mortgage		increased	increased	"		
5891	no	yes				10 00	neither	neither	no		
5892	yes	no					"	"	yes		
5893	no					10 00	increased	increased	no	I. A. of A. M.	yes
5894	"						"	"	"		
5895	"					8 00	"	neither	yes	no	
5896	"					15 00	"	increased	no	I. A. of A. M.	yes
5897	"						"	"	"		
5898	"	yes*			mortgage		"	"	yes	no	
5899	yes	no					"	"	"		
5900	"	no					"	"	"	I. A. of A. M.	yes
5901	no					10 00	"	"	"		
5902	"					7 00	"	increased	yes	"	
5903	"					7 00	"	"	no		
5904	"						"	"	I. A. of A. M.	yes	
5905	"						"	"	no		
5906	"					8 00	"	increased	no	I. A. of A. M.	yes
5907	yes	no					"	"	"		
5908	no						"	"	"		
5909	"						"	"	"		
5910	"					8 00	"	"	no		yes
5911	"						"	"	"		
5912	"						"	"	"		
5913	yes						"	"	"		
5914	no					10 00	"	"	"	I. A. of A. M.	yes
5915	yes						"	"	"		
5916	no						"	"	"		
5917	yes					6 00	"	"	yes	Boiler Maker's Union	yes
5918	no						"	"	no	I. A. of A. M.	"
5919	yes					8 00	"	"	yes		
5920	no						"	"	no	A. S. of E.	"
5921	yes	\$250	7%	yes	mortgage		"	"	yes	no	
5922	"						"	"	"		
5923	"						"	"	no		
5924	"						"	"	"		
5925	"						"	"	"		
5926	"						"	"	"		
5927	"						increased	increased	no		
5928	"						"	"	"		
5929	"					8 00	"	increased	"		
5930	"					8 00	"	"	"		
5931	"						"	"	"		
5932	"					7 00	"	"	"		
5933	"						"	"	"		
5934	"						increased	increased	no		
5935	"						"	"	"		
5936	"						"	"	"		
5937	"						"	"	"		
5938	"						"	"	"		
5939	"						"	"	"		
5940	"						neither	"	yes		

* Does not say how much.

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	yes		good		lost a finger	
		no	yes	"	no	yes	none		none	
		yes	no	"	"		"		"	
		no	no	no	yes	same	fair		broke a leg	
		yes	"	"	no	less	good		none	
		no	no	"	no	yes	"		"	
		yes	yes	"	yes	no	fair		"	
		no	no	"	"	yes	good		"	
		yes	yes	"	no		none		"	
yes	yes	no	no	yes	yes		good		"	
		yes	no	"	no	yes	"		"	
no	yes	no	no	"	"	yes	bad		"	
yes	"	no	"	"	"		fair		"	
		yes	yes	"	"	yes	"		"	
		no	no	"	"		"		"	
		yes	no	"	"	yes	same		"	
		no	no	"	"		"		"	
		yes	"	"	"	yes	good		"	
yes	yes	no	"	"	yes	less	bad		"	
		yes	"	"	no	yes	good		crushed hand	
yes	yes	no	"	yes	yes	less	fair		broke a leg	
		yes	"	no	no		"		none	
yes	yes	yes	no	yes	"	yes	"		"	
		no	no	"	"	yes	crushed hand		none	
		yes	"	"	yes	no	"		"	
		"	"	yes	yes	less	"		"	
		"	"	yes	yes	less	"		"	
yes		no	no	"	yes	less	good		"	
		yes	yes	yes	no		"		"	
	yes	no	"	"	no	less	fair		crushed finger	
yes	yes	"	no	"	no		good		none	
		"	"	"	yes		"		"	
		"	"	"	no		bad		"	
		yes	"	"	no		fair		"	
		"	no	no	yes	yes	none		broke arm & cut head	
		"	"	"	"	less	"		none	
		"	"	"	"		fair		"	
		"	no	"	"		"		"	
		"	"	"	"		"		"	
		yes	no	no	"		"		"	
		no	"	"	"	less	good		"	
		yes	"	"	"		bad		"	
		"	"	"	"		good		"	
		no	"	"	no	less	fair		"	
		"	no	"	"		"		"	
		yes	no	no	"		"		"	
		no	"	"	"		"		"	
		yes	"	"	"		none		"	

TABLE No. 1.—Continued from page 135.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
5961	no					\$6 00	neither	increased	yes	no	
5962											
5963	yes	\$450	7%	yes	mortgage		increased	"	no	"	
5964	no					7 50	"	"		"	
5965	"					6 00	"	"	yes	"	
5966	"						neither	neither	"	"	
5967	"								"	"	
5968	"						increased	increased	"	"	
5969	"						"	"	"	"	
5970	"					8 00	"	"	no	"	
5971	"						"	neither	"	"	
5972	"					8 00	neither	"	yes	"	
5973	yes						increased	increased	no	"	
5974	"						neither	"	"	"	
5975	no					5 00	"	"	"	"	
5976	"						increased	increased	no	"	
5977	yes	no					"	"	"	Boilermakers' Union	yes
5978	no					10 00	"	"	"	"	no
5979	"						"	"	"	no	
5980	"					6 00	"	"	"	Boilermakers' Union	yes
5981	"					10 00	"	"	"	"	"
5982	"						"	"	yes	"	
5983	yes	400	7%	no	contract		"	"	no	no	
5984	no						"	"	"	"	
5985	"						"	"	"	"	
5986	"						"	"	"	"	
5987	"						"	"	"	"	
5988	"						increased	increased	no	"	
5989	"						"	"	"	"	
5990	"						"	"	yes	"	
5991	"						"	"	no	"	
5992	yes	yes*			mortgage		"	"	"	"	
5993	"						"	"	"	"	
5994	no					9 00	"	"	yes	"	
6013	yes						"	"	"	I. A. of A. M.	yes
6014	"					12 00	"	"	no	"	
6015	no						"	"	"	no	
6016	"						increased	increased	no	"	
6017	"						"	"	"	"	
6018	no					10 00	increased	increased	no	"	
6019	yes	yes*			mortgage		"	"	"	"	
6020	"	"			contract		"	"	"	"	
6021	no						"	"	"	"	
6022	yes	no					"	"	yes	I. A. of A. M.	yes
6023	no					12 00	"	"	"	"	
6024	"					10 00	"	increased	"	no	
6025	yes	no					"	"	no	"	
6026	no					17 00	neither	"	yes	"	
6027	"						increased	"	"	"	
6028	yes	200	7%	yes	mortgage		neither	neither	"	"	
6029	"						"	"	"	S. M. A. A.	yes
6030	no					8 00	increased	"	"	no	
6031	"					8 00	"	increased	"	S. M. A. A.	yes
6032	"						neither	neither	"	no	
6033	no					8 00	"	"	yes	"	
6034	"						"	"	"	no	
6035	"						"	"	"	"	
6036	"					9 00	increased	increased	no	B. of R. T.	no
6037	yes	no					"	"	no	"	
6038	no						"	"	yes	"	
6039	"					7 00	"	"	"	"	
6040	"					7 00	neither	neither	no	"	
6041	yes	no					increased	increased	yes	S. M. A. A.	yes
6042	no						neither	neither	"	B. of R. T.	"
6043	"					12 00	increased	increased	no	no	
6044	"					7 00	"	"	"	"	

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no				none		
		no	"	"	yes			"	none	
		yes	"	"	"	no		"	"	
		"	no	"	"	"		"	"	
		yes	"	"	no	less		fair	"	
		no	"	"	yes	"		good	"	
		yes	no	"	"	yes	same	none	"	
		"	yes	"	"	yes	same	good	"	
		no	no	"	no	yes	same	none	"	
		"	"	"	yes	"		"	"	
		"	"	yes	no	"		fair	"	
		yes		yes	yes	yes				
		no		yes	yes			good	none	
yes		yes	"	"	"			fair	"	
		no	no	"	no			good	"	
		"	"	"	"			"	"	
		yes		yes	no			"	"	
		"	yes	"	yes			"	"	
yes	yes	"	"	"	no			fair	"	
		"	"	no	yes	no	less	"	"	
		"	"	"	no	"		bad	"	
		yes		"	"	"		fair	"	
		"		"	"	"		"	"	
		no	"	no	no			"	"	
		"	no	"	"			bad	"	
		"	"	"	"	no	less	fair	"	
		"	"	no	"	"		"	"	
		yes	"	"	"	"		"	"	
		"	"	"	"	"		"	"	
		"	no	"	"	"		"	"	
		"	no	yes	yes	"		"	"	
		"	no	"	no	no	same	none	"	
		"	"	"	"	"		bad	"	
		no		no	"	"		fair	"	
		"	"	"	yes	"		"	"	
		"	no	"	no	"	less	good	"	
		"	"	"	"	"		fair	"	
		"	"	"	"	"		"	"	
		yes	no	yes	"	yes	same	"	"	
		"	"	"	yes	"		"	"	
		yes	no	no	"	"		good	"	
		no	no	"	no	yes		none	"	
yes	yes	no	"	"	yes	"		good	lost one finger	
		"	"	"	"	"		none	none	
		"	"	"	no	"		good	lost one finger	
yes	yes	no	yes	yes	"	"		"	none	
		"	"	"	"	"		none	"	
		no		no	"	yes	less	good	"	
		"	"	"	"	"		"	"	
		no	no	"	"	"		"	"	
yes	no	"	"	"	no	"		none	"	
		yes	yes	"	"	"		"	"	
		no	no	"	"	"		"	"	
		yes	yes	"	yes	"		good	"	
		no	no	"	"	"		"	"	
yes	yes	"	"	"	no	yes		none	lost two fingers	
"	"	"	"	"	"	"	same	"	none	
		"	"	"	"	"		good	"	
		yes		"	"	"		fair	"	

TABLE No. 1.—Continued from page 137.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6045	yes	\$108	7%	yes	mortgage	---	neither	neither	yes	---	---
6046	no	---	---	---	---	---	---	---	---	---	---
6047	---	---	---	---	---	---	---	---	---	---	---
6048	---	---	---	---	---	\$8 50	increased	increased	yes	no	---
6049	---	---	---	---	---	5 00	decreased	---	no	---	---
6050	---	---	---	---	---	4 00	increased	---	---	---	---
6051	---	---	---	---	---	---	---	---	---	---	---
6052	---	---	---	---	---	8 00	increased	increased	yes	---	---
6053	---	---	---	---	---	5 00	---	---	no	---	---
6054	---	---	---	---	---	---	neither	---	---	K. of L.	no
6055	---	---	---	---	---	---	---	---	---	---	---
6056	no	---	---	---	---	4 00	increased	---	---	---	---
6057	---	---	---	---	---	---	---	---	---	---	---
6058	yes	no	---	---	---	---	increased	increased	yes	---	---
6059	---	---	---	---	---	---	---	---	no	---	---
6060	no	---	---	---	---	7 00	---	---	---	---	---
6061	---	---	---	---	---	---	---	---	---	---	---
6062	yes	no	---	---	---	---	---	---	---	---	---
6063	---	---	---	---	---	---	---	---	---	---	---
6064	no	---	---	---	---	8 00	neither	neither	yes	---	---
6065	---	---	---	---	---	8 00	increased	increased	no	---	---
6066	no	---	---	---	---	---	---	---	---	---	---
6067	---	---	---	---	---	8 00	---	---	---	---	---
6068	---	---	---	---	---	---	neither	---	---	---	---
6069	---	---	---	---	---	16 00	---	---	---	---	---
6070	yes	no	---	---	---	---	neither	---	yes	B. of R. T.	yes
6071	no	100	7%	---	mortgage	---	increased	neither	---	no	---
6072	no	---	---	---	---	10 00	---	increased	yes	---	---
6073	---	---	---	---	---	---	increased	---	no	---	---
6074	---	---	---	---	---	5 00	---	---	---	---	---
6075	---	---	---	---	---	5 00	---	---	---	---	---
6076	---	---	---	---	---	6 00	---	increased	---	---	---
6077	yes	no	---	---	---	---	neither	neither	---	---	---
6078	no	---	---	---	---	12 00	---	---	yes	---	---
6079	yes	200	7%	yes	mortgage	---	increased	increased	no	---	---
6080	no	---	---	---	---	8 00	neither	neither	---	---	---
6081	---	---	---	---	---	---	---	---	---	---	---
6082	---	---	---	---	---	5 00	---	---	yes	---	---
6083	---	---	---	---	---	---	increased	increased	no	---	---
6084	no	---	---	---	---	7 00	---	---	yes	---	---
6085	---	---	---	---	---	8 50	---	---	---	---	---
6086	---	---	---	---	---	---	neither	neither	no	---	---
6087	---	---	---	---	---	---	---	---	---	---	---
6088	---	---	---	---	---	---	increased	increased	---	---	---
6089	---	---	---	---	---	7 00	---	---	---	---	---
6090	---	---	---	---	---	8 00	---	---	---	---	---
6091	---	---	---	---	---	7 00	---	---	---	---	---
6092	---	---	---	---	---	7 00	---	---	---	---	---
6093	yes	no	---	---	---	---	---	---	---	---	---
6094	no	---	---	---	---	7 00	---	---	---	B. of L. F.	no
6095	---	---	---	---	---	8 00	---	---	yes	no	---
6096	---	---	---	---	---	5 00	---	neither	no	---	---
6097	---	---	---	---	---	7 00	neither	---	no	B. of L. F.	no
6098	---	---	---	---	---	7 00	increased	increased	yes	no	---
6099	yes	yes*	---	---	mortgage	---	---	---	---	---	---
6100	---	150	7%	yes	---	---	neither	neither	---	---	---
6101	---	400	7%	---	contract	---	---	increased	---	---	---
6102	no	---	---	---	---	---	---	neither	---	---	---
6103	---	---	---	---	---	6 00	---	---	no	B. of R. T.	yes
6104	yes	---	---	---	---	---	---	increased	yes	---	---
6105	---	---	---	---	---	---	---	---	---	---	---
6106	no	---	---	---	---	8 00	---	---	no	---	---
6107	---	---	---	---	---	8 00	increased	increased	---	B. of R. T.	yes
6108	yes	---	---	---	---	---	---	---	---	---	---
6109	no	---	---	---	---	10 00	---	increased	yes	---	---
6110	yes	yes*	---	---	---	---	---	---	no	---	---

Does not say what.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurances.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General Remarks.
		yes		no	yes			good	none	
		"	yes		"			"	"	
		"		no	no		same	none	"	
				no				bad	"	
				"				fair	"	
				"				good	"	
				"				none	"	
no		no	no	"	no			fair	"	
		"	no	no	yes			good	bruised in collision	
		yes	yes	no	no			"	none	
		no	"	"	yes			"	none	
		yes	no	"	"			"	"	
		"	yes	"	"			"	"	
		"	"	"	"			"	"	
		no	no	no	"	yes	same	none	"	
		"	"	"	no			good	"	
		"	no	"	"			fair	"	
		yes	"	"	yes			good	"	
yes	no	no	"	"	yes			fair	"	
		"	no	"	no			good	"	
		yes	no		yes	yes	same	none	none	
		no	yes	"	yes			"	"	
		"	no	"	no			good	"	
		"	"	"	no			"	"	
		yes	"	"	yes			"	"	
		"	yes	"	no			none	"	
			"	"	yes			"	"	
				no	no			good	"	
			"	"	"			"	"	
		yes	yes	"	yes			"	"	
		no	no	"	"			none	"	
		yes	no	"	"			"	"	
		no	no	"	"	yes	same	good	wrist broken	
		yes	"	"	no			bad	none	
		"	"	"	"			"	"	
		"	"	"	"			fair	"	
		"	"	"	"	no	same	good	"	
		"	"	"	"			fair	"	
yes	yes	"	no	"	yes			good	"	
			"	"	"			none	"	
yes	yes	no	no	no	"	yes	same	good	"	
		yes	yes	"	"	yes	same	none	lost a finger	
		yes	no	"	yes			fair	none	
		no	"	"	no	yes	same	good	"	
		"	"	"	"	"		none	"	
yes	yes	yes	"	"	yes		less	"	"	
		no	"	"	yes	yes		good	injured by hoghead *	
		yes	"	"	yes			none	none	
yes	yes	no	no	no	"			fair	"	
"	"	no	"	yes	"	yes	same	"	"	
"	"	yes	yes	"	no	no	same	"	"	

TABLE No. 1.—Continued from page 139.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6111	no					\$6 00	increased	increased	no	B. of R. T.	yes
6112	"					10 00	neither	neither	no	no	
6113	"					3 50					
6114	"						increased	increased	no	B. of R. T.	no
6115	yes	\$17		yes	contract		neither	neither		no	
6116	no					1 00					
6117	no					5 00	increased	increased		B. of R. T.	yes
6118	yes										
6119	no							neither			
6120	"					4 00		increased			
6121	"										
6122	yes	200	7%	yes	mortgage						
6123	no					5 00					
6124	"										
6125	"										
6126	yes	175	6%	yes	mortgage						
6127	no										
6128	"					10 00					
6129	"										
6130	"										
6131	"					6 00					
6132	"					9 00					
6133	"					10 00				no	
6134	"					8 00					
6135	"									B. of R. T.	yes
6136	"										
6137	"					8 00					
6138	"					10 00					
6139	"								yes		
6140	"								no	no	
6141	"					7 00					
6142	"					8 00			yes	B. of R. T.	yes
6143	"					10 00			no		
6144	"					5 00		increased			
6145	"										
6146	"					8 00					
6147	"					4 50		neither	no	no	
6148	"										
6149	yes	600	7%	yes	contract		neither	neither	yes		
6150	no	300	7%		mortgage						
6151	"					3 00	increased				
6152	"						neither				
6153	yes	no								B. of R. T.	yes
6154	"										
6155	"						increased	increased		no	
6156	no					3 00	neither	neither		B. of R. T.	no
6157	"					5 00	decreased	decreased	no		
6158	"					8 00	neither			no	
6159	"					2 50			yes		
6160	"					9 00	increased	increased	no		
6161	yes	no									
6162	"	no					increased	increased	no	B. of R. T.	yes
6163	no					8 00					
6164	"					5 00					
6165	yes	150	7%	yes	mortgage				yes		
6166	"	no							no		
6167	no					6 50	neither	neither	yes	no	
6168	"					4 00	increased	increased			
6169	yes	no					neither	neither		B. of R. T.	yes
6170	"										
6171	"					5 00	increased	increased	no	no	
6172	yes	no					neither	neither	no		
6173	"										
6174	"										
6175	"										
6176	yes	no									
6177	"										
6178	"										
6179	no					3 00	increased	increased		no	
6180	"					5 00	decreased	decreased	no	B. of R. T.	no
6181	"					8 00	neither			no	
6182	"					2 50			yes		
6183	"					9 00	increased	increased	no		
6184	yes	no									
6185	"										
6186	"	no					increased	increased	no	B. of R. T.	yes
6187	no					8 00					
6188	"					5 00					
6189	yes	150	7%	yes	mortgage				yes		
6190	"	no							no		
6191	no					6 50	neither	neither	yes	no	
6192	"					4 00	increased	increased			
6193	yes	no					neither	neither		B. of R. T.	yes
6194	no										
6195	"					5 00				no	
6196	"						increased	increased	no		
6197	yes	no					neither	neither		yes*	
6198	"									B. of R. T.	yes
6199	"							decreased			

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	yes	yes	yes			good	none	
		no		no	no	yes	less	"	"	
yes	yes	yes	no	yes	yes			none	"	
								bad	"	
yes	yes	no	no	no	"	no	less	good	"	
"	"	"	"	"	"			fair	"	
"	"	"	"	no	no			"	"	
"	"	no	no	"	yes			"	"	
"	"	no	"	"	no			"	"	
"	"	yes	no	"	yes			"	arm broken	
"	"	no	"	"	"			"	none	
"	"	"	"	"	"	yes	same	"	"	
"	"	"	"	"	"	no	less	"	"	
yes		"	"	no	yes			good	"	
	yes	yes	"	no	no	no	less	fair	"	
					"			"	"	
yes	yes	no	no	no	"			good	"	
"	"	yes	"	"	"			fair	"	
"	"	no	"	"	"			good	"	
				no	no			"	"	
yes	yes	"	no	"	"			good	"	
"	"	"	"	"	"			bad	"	
"	"	"	"	"	"			fair	"	
"	"	"	"	"	"			good	"	
		no	yes	yes	yes	more	good	bad	finger injured	
		"	"	"	"	no	less	"	none	
		"	no	"	"	"	more	bad	"	
yes	yes	"	"	"	yes	less	same	good	"	Overtime ¼ day Sun.
"	"	"	"	"	"	no	same	"	"	
yes	no	yes	no	yes	yes	yes	same	none	"	
		no	"	"	yes			good	"	
		yes	no	"	no	"		"	lost finger and inj. leg	
		yes	no	no	yes	"		"	none	
		yes	"	no	no	"		none	"	
yes	yes	no	no	yes	yes			bad	none	
"	"	yes	"	"	no	"		fair	"	
"	"	no	"	"	"	yes	same	"	"	
"	"	"	no	"	yes	"		"	"	
		"	"	no	no	no	less	good	"	
yes	yes	"	"	"	yes	yes	more	fair	"	{ Sec. hands work ¼
		"	"	"	"	"	same	good	"	time winter mon's,
		"	"	"	no	"		"	"	overtime ¼ d. Sun.
		no	no	no	"	"		good	"	
yes	yes	"	"	no	yes			good	both shoulders hurt	Overtime ¼ day Sun.
"	"	yes	yes	no	"			"	none	

TABLE No. 1.—Continued from page 141.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6300	yes	\$250	7%	yes			neither	neither	no	B. of R. T.	yes
6301	no					\$7 00	increased			"	"
6302	no						neither			"	"
6303	yes	no								no	
6304	no					7 00	increased	increased	yes	"	
6305	"						neither	neither	"	"	
6306	"					6 00	increased		"	"	
6307	"						neither	neither	"	"	
6308	yes	no							"	"	
6309	no					5 00			"	"	
6310	"								"	B. of R. T.	no
6311	"								"	no	
6312	"					5 00			no	"	
6313	yes	no							"	B. of R. T.	yes
6314	no					5 00			"	no	
6315	"					5 00			"	"	
6316	"					5 50			"	"	
6317	"					5 00	increased	increased	"	B. of R. T.	yes
6318	"						neither	neither	yes	no	
6319	"					5 00	increased	increased	no	"	
6320	"					4 25	"	"	"	"	
6321	"					3 50	"	"	"	"	
6322	"					2 75	"	"	"	"	
6323	"						"	"	"	"	
6324	"					3 00	"	"	"	"	
6325	"					4 50	"	"	"	"	
6326	"					4 00	"	"	"	"	
6327	"						"	"	yes	"	
6328	"					6 00	"	"	no	"	
6329	"					5 00	neither	neither	"	"	
6330	"					6 00	"	decreased	"	"	
6331	yes	yes*							"	"	
6332	no						increased	increased	yes	"	
6333	"					4 50	neither	"	"	"	
6334	"						increased	"	"	"	
6335	yes	no				4 00	"	"	"	"	
6336	no						"	"	"	"	
6337	yes	1,000	7%	yes	mortgage		"	"	"	"	
6338	no						"	"	"	"	
6339	yes	100	7%	yes	mortgage		"	"	"	"	
6340	no						neither	neither	"	"	
6341	yes	no					increased	increased	"	"	
6342	no						neither	neither	no	"	
6343	"					7 00	increased	increased	"	"	
6344	yes	200	7%	yes	mortgage		neither	neither	"	"	
6345	no					4 00	"	"	"	"	
6346	yes	no					"	"	yes	"	
6347	"	yes*	7%		contract		increased	increased	"	"	
6348	"	500	7%	yes	mortgage		neither	neither	"	"	
6349	"						"	"	no	"	
6350	no						neither	neither	yes	"	
6351	"					20 00	"	increased	"	"	
6352	yes	50	7%		mortgage				no	"	
6353	no						neither		"	"	
6354	"					6 00	increased		"	"	
6355	"					8 00	neither	neither	yes	"	
6356	"						"	"	"	"	
6357	"					6 00	"	"	no	"	
6358	"					5 00	increased	"	"	"	
6359	"						neither	"	"	"	
6360	"					5 50	"	"	"	"	
6361	"						"	"	yes	"	
6362	yes	no					"	"	no	"	
6363	no					6 00	"	"	"	"	
6364	yes	no					"	"	"	"	
6365	"	no					"	"	"	"	

* Does not say.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	no	no	yes	---	---	good	none	Overtime $\frac{1}{4}$ day Sun.
"	"	no	"	"	"	---	---	"	"	" " " "
---	---	yes	no	no	no	yes	same	none	"	"
---	---	no	yes	no	yes	"	"	"	foot injured	"
---	---	no	no	no	no	---	---	good	"	"
yes	no	"	---	no	yes	---	---	"	"	"
---	---	---	---	---	---	---	---	"	"	"
yes	yes	no	no	"	yes	yes	same	"	"	"
---	---	"	"	"	"	"	"	"	"	"
yes	yes	"	"	"	no	"	"	bad	"	"
---	---	"	"	"	yes	"	"	good	"	"
---	---	"	"	"	no	"	"	none	"	"
---	---	"	"	"	no	"	"	good	"	"
---	---	"	"	"	no	no	"	good	"	"
---	---	"	"	"	no	yes	"	none	"	"
---	---	"	"	"	yes	yes	same	good	"	"
---	---	"	"	"	"	"	"	none	"	"
---	---	"	"	no	"	"	"	good	none	"
---	---	yes	yes	"	no	yes	same	"	crushed finger	"
---	---	no	no	"	yes	yes	same	"	none	"
---	---	no	"	"	no	yes	same	none	"	"
---	---	yes	"	"	"	no	"	"	"	"
---	---	no	"	"	"	yes	"	bad	"	"
---	---	yes	"	"	"	no	"	none	"	"
---	---	no	"	"	"	yes	"	"	"	"
---	---	yes	"	"	"	"	"	"	"	"
---	---	no	"	"	"	"	"	"	"	"
---	---	yes	"	"	"	"	"	"	"	"
---	---	no	"	"	"	"	"	"	"	"
---	---	yes	yes	"	"	"	less	good	loss of part of finger	"
---	---	no	no	"	"	yes	same	none	none	"
---	---	"	"	no	yes	---	---	good	"	"
---	---	"	"	"	"	---	---	"	lost a finger	"
---	---	no	"	no	"	---	---	none	"	"
---	---	yes	no	"	no	yes	same	none	"	"
---	---	"	"	"	yes	---	---	"	"	"
---	---	no	no	no	"	---	---	none	"	"
---	---	yes	"	no	no	yes	---	good	"	"
---	---	no	"	"	"	---	---	"	"	"
---	---	"	"	"	"	---	---	"	"	"
---	---	"	"	"	no	yes	same	"	"	"
---	---	"	"	"	yes	---	---	"	"	"
---	---	"	"	"	"	yes	same	"	"	"
---	---	"	"	"	"	---	---	none	"	"

TABLE No. 1.—Continued from page 143.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6296	no					\$12 00	neither		yes	no	
6297	"					6 00	"	neither	"	"	
6298	"						"	increased	"	"	
6299	"						"	neither	"	"	
6300	"						"		"	"	
6301	"					7 50	"	"	"	"	
6302	"					10 00	increased	increased	"	"	
6303	"					11 00	"	"	"	"	
6304	"						"	"	"	"	
6305	"					8 00	neither	neither	"	"	
6306	"						"	"	"	"	
6307	"						increased	increased	"	"	
6308	"					9 00	neither	neither	"	"	
6309	"					8 00	"	increased	"	"	
6310	"						"	neither	"	"	
6311	"					5 00	increased	increased	"	"	
6312	"						neither	neither	"	"	
6313	"						increased	increased	"	"	
6370	yes	\$200	7%	yes	contract		neither	neither	"	"	
6371	no						increased	increased	"	"	
6372	"					8 00	neither	neither	no	"	
6373	yes	no					"		"	"	
6374	"	no					"		"	"	
6375	no					6 00	"	neither	yes	"	
6376	yes	no					increased	increased	no	"	
6377	no					5 00	"		"	"	
6378	yes	no					"	increased	"	"	
6379	"	"					"	"	"	"	
6380	"						"	"	"	"	
6381	no					10 00			"	"	
6382	"					6 00	increased	increased	yes	"	
6383	"						neither	neither	no	"	
6384	"								yes	"	
6385	"					7 00	increased	increased	no	"	
6386	"						increased	increased	yes	"	
6387	no					12 00	neither	dec. 2%	yes	"	
6388	"					6 00		increased	"	"	
6389	yes	yes*						neither	"	"	
6390	no					10 00	increased	increased	no	no	
6391	"					7 00	"	"	yes	"	
6392	"						neither		"	"	
6393	"								"	"	
6394	yes	500	7%	yes	contract		neither	neither	no	"	
6395	no					10 00	"	"	yes	"	
6396	"						"	"	"	"	
6397	yes						increased	increased	"	"	
6398	no								no	"	
6399	"						increased	increased	"	"	
6400	no						"	"	no	"	
6401	"						"	"	"	"	
6402	"						"	"	"	"	
6403	"					7 00	"	"	"	"	
6404	yes	600	7%	yes	mortgage		"	"	yes	"	
6405	no						neither	"	"	"	
6406	"					10 00	"	"	"	"	
6407	yes	yes*			mortgage		increased	"	no	"	
6408	"						neither	neither	yes	"	
6409	no					9 50	"		"	"	
6410	yes	200	7%	yes	mortgage		increased	increased	"	"	
6411	"						"		"	"	
6412	"	400	7%	yes	mortgage		neither		"	"	
6413	no					12 00	"	neither	no	"	
6414	yes						"		yes	"	
6415	no						"	increased	"	B. of R. T. B. of L. E. B. of L. F.	yes
6416	"						"	neither	"	"	"
6417	"								"	"	"

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	no	yes	same	none	none	
		no	"	"	yes	no	"	"	"	
		"	"	"	no	no	same	"	"	
		yes	"	"	yes	yes	"	"	"	
		no	"	"	no	"	less	"	"	
		yes	"	"	yes	"	same	"	"	
		"	"	"	no	no	same	"	"	
		"	"	"	yes	"	"	"	"	
		no	"	"	"	yes	same	"	"	
		"	"	yes	"	no	same	"	"	
		"	"	no	yes	yes	same	"	thumb smashed	
		"	"	"	yes	"	"	bad	none	
		yes	"	"	"	no	less	none	"	
		no	"	"	"	yes	same	"	left foot injured	
		"	"	"	"	"	less	"	none	
		"	"	"	yes	"	same	"	"	
		yes	"	"	"	no	same	"	arm broken	
		"	"	"	"	"	less	"	none	
yes	yes	"	"	"	yes	"	same	"	left arm dislocated	
		no	no	"	no	"	same	"	none	
		yes	no	"	yes	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	no	less	"	none	
		yes	no	no	yes	yes	same	fair	none	
		no	yes	"	yes	"	same	bad	"	
		yes	no	"	"	no	same	good	"	
		"	yes	no	no	"	"	good	none	
		"	"	"	yes	yes	same	good	"	
		no	no	"	"	"	"	good	"	
		"	no	"	no	"	"	fair	none	
		"	"	"	"	"	"	good	"	
		yes	yes	"	"	"	"	good	"	
		no	no	"	"	"	"	bad	"	
		"	"	"	"	no	same	none	"	
		"	"	"	"	"	"	bad	"	
		yes	"	"	"	"	"	good	"	
		no	"	"	yes	"	"	none	"	
		"	no	"	no	no	"	good	"	
		"	"	"	yes	"	"	"	"	
yes	yes	"	"	"	no	"	"	none	"	
"	no	no	yes	yes	"	"	"	fair	"	
"	"	no	no	no	"	"	"	good	"	

{ Came here when a child.

TABLE No. 1.—Continued from page 145.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6418	no					\$12 00	increased	increased	yes		
6419	yes						"	neither	"	B. of L. E.	yes
6420	"	\$700	7%	yes	contract		neither	"	"	no	
6421	"	no					"	"	"	B. of L. F.	yes
6422	no					10 00	"	"	no	no	
6423	yes	no					"	neither	yes	B. of L. F.	yes
6424	"						"	"	no	no	
6425	no					25 00	"	"	yes	B. of L. F.	yes
6426	"						"	"	no	no	
6427	"						increased	"	no	"	
6428	"						neither	"	yes	no	
6429	"					10 00	increased	increased	no	B. of L. F.	yes
6430	"						neither	neither	yes	no	
6431	"						"	"	no	B. of L. F.	yes
6432	"						increased	increased	yes	no	
6433	"					5 00	neither	neither	"	"	
6434	"						"	"	"	B. of L. F.	yes
6435	"						"	increased	"	no	
6436	"					7 00	"	"	"	"	
6437	yes	no					increased	"	"	"	
6438	"	"					neither	neither	"	"	
6439	no	"					"	"	"	B. of L. F.	yes
6440	"						"	increased	"	no	
6441	"						"	neither	"	B. of R. T.	"
6442	"						"	"	no	"	
6443	"						increased	increased	yes	no	
6444	"						neither	decreased	"	B. of R. T.	yes
6445	"						"	increased	"	"	
6446	"					10 00	"	"	"	O. of R. C.	"
6447	"						increased	increased	"	no	
6448	yes	no					inc. 50c wk.	neither	"	"	
6449	no	"				25 00	neither	"	"	"	
6450	"						increased	increased	"	B. of R. T.	yes
6451	"					14 00	"	neither	"	no	
6452	"						"	increased	"	B. of R. T.	no
6453	"					25 00	"	"	"	no	
6454	yes	no					"	"	"	"	
6455	"						neither	neither	no	"	
6456	yes	\$50	6%		mortgage		increased	increased	yes	"	
6457	no						"	"	no	"	
6458	"						neither	neither	yes	O. of R. T.	yes
6459	yes	\$50	8%	yes	mortgage	25 00	decreased	"	"	no	
6460	no						increased	"	"	B. of L. E.	yes
6461	"						neither	"	"	no	
6462	"						"	"	"	"	
6463	"						"	"	"	"	
6464	"						"	"	"	"	
6465	"						"	"	"	"	
6466	"						"	"	"	"	
6467	"						"	"	"	"	
6468	"						"	"	"	"	
6469	"						increased	increased	"	"	
6470	"						"	"	"	"	
6471	yes	no					"	decreased	"	"	
6472	no	"					neither	"	"	"	
6473	"						"	"	"	"	
6474	"						"	"	"	"	
6475	"						"	"	"	"	
6476	"						"	"	"	"	
6477	yes	no					"	"	"	"	
6478	no						"	"	"	"	
6479	yes	\$50	6%		mortgage		increased	increased	no	"	
6480	no						"	"	yes	"	
6481	"						"	"	"	"	
6482	"						neither	"	yes	O. of R. T.	yes
6483	"					25 00	"	neither	"	no	
6484	yes	\$50	8%	yes	mortgage		decreased	"	"	B. of L. E.	yes
6485	no						increased	"	"	no	
6486	"						neither	"	"	"	
6487	"						"	"	"	"	
6488	"						"	"	"	"	
6489	"						"	"	"	"	
6490	"						increased	increased	"	"	
6491	yes	no					"	"	"	"	
6492	"	"					neither	decreased	"	"	
6493	"						"	"	"	"	
6494	no						increased	neither	"	"	
6495	"						neither	increased	"	"	
6496	"						"	"	"	"	
6497	"						"	"	"	"	
6498	"					15 00	"	neither	"	"	
6499	"						increased	increased	"	"	
6500	"						neither	"	"	"	
6501	"					13 00	increased	"	"	"	
6502	"						"	"	"	"	
6503	"					10 00	"	"	"	"	

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Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	no	yes	no	yes	no			good	none	
yes	no	no	no	no	"			"	"	
yes	no	yes	yes	yes	"			fair	"	
yes	no	no	no	no	"			bad	"	
yes	no	no	no	yes	"			fair	"	
yes	no	yes	yes	"	"	no	less	good	"	
yes	no	yes	"	no	"			"	"	
yes	no	"	"	yes	"		less	"	"	
yes	no	no	no	no	"			none	"	
yes	yes	yes	"	"	yes	no		good	"	
		no	"	"	no	"		none	"	
		"	"	"	"	"		bad	"	
		"	"	"	"	"		none	"	
		yes	"	"	"	"		"	"	
yes	yes	no	"	"	yes	no	same	"	"	
"	no	yes	no	"	"	"		bad	"	
"	"	"	"	"	"	"		good	"	
yes	no	no	yes	"	yes	"		none	"	{ Came to America when a child.
"	"	yes	no	no	"	"		"	"	
		yes	"	"	"	"		"	"	
		"	"	"	no	"		good	"	
		"	"	"	yes	"		"	arm broken	
yes	yes	no	no	"	no	"		none	none	
yes	yes	no	"	"	"	"		bad	two fingers crushed	
		yes	yes	"	"	"		none	none	
		no	no	no	no	"		good	none	{ Came to America when a child.
		yes	no	"	yes	"		none	"	
		"	"	"	"	"		good	"	
no	yes	yes	no	no	no	"		none	"	
yes	yes	no	"	"	"	"		bad	"	
		yes	"	"	yes	no		good	"	
		"	"	"	"	"	no	none	"	
		no	"	"	"	"		"	"	
		"	yes	"	"	yes	same	bad	"	
		yes	no	"	yes	"		none	"	
		no	"	"	"	"		"	"	
		"	"	"	"	"		"	"	
		"	"	"	"	"		"	"	
		yes	"	"	yes	no	less	bad	"	
		no	"	"	"	yes	same	bad	"	
		yes	"	"	"	no	same	none	"	
		no	"	"	yes	"		bad	"	
		yes	"	"	no	"		none	"	

TABLE No. 1.—Continued from page 147.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6504	no						increased	increased	yes	no	
6505	"						neither	"	"	"	
6506	"						increased	"	"	"	
6507	"						decreased	decreased	"	"	
6508	"						neither	increased	"	"	
6509	"					\$7 00	"	decreased	"	"	
6510	"							"	"	"	
6511	"						increased	increased	"	"	
6512	"					8 00	neither	decreased	"	"	
6513	yes	no						increased	"	"	
6514	no					9 00	neither	increased	"	"	
6515	"					16 00	"	neither	"	"	
6516	"						"	increased	"	"	
6517	"						increased	"	"	"	
6518	"						"	"	"	"	
6519	"					12 00	neither	"	"	F. H. A. A.	no
6520	"						"	"	"	no	
6521	"						neither	"	"	"	
6522	"					6 00	"	neither	"	"	
6523	"						"	increased	"	"	
6524	"						"	neither	"	"	
6525	"						"	"	"	F. H. A. A.	no
6526	"						neither	neither	"	no	
6527	"					4 00	"	"	"	"	
6528	"					7 00	"	increased	"	"	
6529	"						"	neither	"	"	
6530	"					7 50	"	"	"	"	
6531	"						"	"	"	"	
6532	yes	400	6%	yes	mortgage		increased	increased	"	"	
6533	no					8 00	neither	decreased	"	"	
6534	yes	1,200	7%	yes	mortgage		increased	"	"	"	
6535	no						neither	"	"	"	
6536	"						"	neither	"	"	
6537	yes	no					neither	"	"	"	
6538	no						neither	"	no	"	
6539	yes	no					"	"	"	"	
6540	no						neither	neither	yes	"	
6541	"					11 00	increased	increased	"	I. A. A. M.	yes
6542	yes	1,000	7%	yes	contract		"	"	"	S. M. A. A.	"
6543	"	no					"	"	"	no	
6544	no					10 00	"	increased	"	S. M. A. A.	yes
6545	"						neither	neither	"	no	
6546	"					12 00	"	"	"	"	
6547	yes	no					"	"	"	S. M. A. A.	yes
6548	"						increased	"	no	no	
6549	no						neither	"	"	S. M. A. A.	yes
6550	yes	no					increased	increased	yes	"	
6551	no					4 00	neither	neither	no	"	
6552	yes	no					increased	increased	yes	"	
6553	"						"	"	"	"	
6554	no						neither	neither	"	"	
6555	"						"	"	"	"	
6556	"						"	"	"	"	
6557	"						"	increased	"	"	
6558	"					11 00	"	"	"	"	
6559	yes	no					increased	inc. 10%	yes	B. of L. F.	yes
6560	"	450	7%	yes	contract		neither	increased	"	no	
6561	no						increased	neither	"	"	
6562	"					8 00	neither	"	"	"	
6563	yes	no					"	"	"	"	
6564	no					5 00	increased	increased	"	"	
6565	yes	500	7%		mortgage		"	"	"	"	
6566	no						neither	neither	"	"	
6567	yes	600	4%	yes	mortgage		increased	increased	"	"	
6568	"	no					"	"	"	"	
6569	"	"					neither	"	"	"	

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Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	yes			none	none	
		no	"	"	no	no		"	"	
		"	"	"	"	"		"	"	
		yes	yes	"	"	"		"	"	{ Came to America
		no	no	"	yes	"		"	"	when a child.
		"	"	"	"	"		"	"	
		yes	"	"	no	"		"	"	
		"	"	"	yes	"		"	"	
no	yes	no	yes	"	"	"		"	injured leg	
		yes	no	"	"	yes	less	"	none	
		no	no	"	"	"		"	"	
		yes	"	"	no	"		"	"	
no	yes	yes	yes	"	yes	yes	less	"	"	{ Came to America
		no	no	"	"	"		"	"	when a child.
		yes	yes	yes	"	"		good	"	
		no	no	no	"	"		none	injured knee	
		"	"	"	"	"		"	none	
		"	no	"	no	yes	less	fair	"	
		no	no	"	yes	"		none	"	
		yes	"	"	no	less	"	"	"	
		no	yes	"	yes	no	less	"	"	
		yes	yes	yes	no	"		bad	"	
		"	"	"	"	"		good	"	
		"	"	"	no	"		bad	"	
yes	no	no	no	no	no	"		none	"	
"	yes	yes	"	yes	"	yes	less	good	"	
		"	"	no	"	no	"	none	"	
yes	yes	"	yes	"	yes	"	more	good	none	
		no	no	"	no	no		bad	"	
yes	no	no	yes	"	"	"		fair	hand smashed	
		yes	no	no	"	yes		good	arm pinched	
yes	yes	no	"	"	"	"		fair	none	
		"	"	"	"	yes	same	none	lost two fingers	
		yes	"	"	"	yes		good	none	
		"	"	"	yes	yes	same	none	"	
		no	"	"	no	"		"	"	
		yes	"	"	"	"		"	"	
		"	"	"	"	"		"	"	
yes	no	"	"	"	"	"		"	shoulder bruised	
		"	"	"	"	"		"	none	
		no	no	"	yes	no		good	"	
		"	"	"	no	"		bad	"	
		yes	"	"	yes	"		none	"	
		"	"	"	no	yes	less	"	"	
		no	yes	"	"	"		good	"	
		"	no	"	"	"		none	"	
		"	"	"	"	"		bad	"	
		yes	"	"	"	"		none	"	
		"	"	"	"	"		good	"	

TABLE No. 1.—Continued from page 149.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6370	no						neither	neither	no		
6371	"						increased	neither	yes		
6372	"					\$10 00	neither	neither	"		
6373	"						"	"	"		
6374	"						"	"	"		
6375	"						increased	increased	"		
6376	"						neither	neither	"		
6377	yes	\$500	7%	yes	mortgage				"		
6378	no					16 00	neither	neither	"		
6379	"					10 00	neither	neither	"		
6380	"					10 00	increased	neither	"		
6381	"					10 00	neither	neither	"		
6382	"					10 00	increased	neither	"	F. H. A. A.	no
6383	"					10 00	neither	neither	"	"	
6384	"					10 00	increased	neither	"	no	
6385	yes	500	7%	yes	contract		neither	increased	"	F. H. A. A.	no
6386	no						neither	neither	"		
6387	"					7 00	increased	increased	"		
6388	"					10 00	neither	neither	"	no	
6389	"					12 00	neither	neither	"		
6390	"					6 50	"	neither	"		
6391	"					6 00	increased	increased	"		
6392	"					4 00	"	"	"		
6393	"						neither	neither	"	O. of R. C.	yes
6394	yes	yes*					"	"	"		
6395	no						"	"	"	B. of R. T.	"
6396	yes	550	7%		mortgage		"	increased	"	no	
6397	yes	no					increased	"	"	B. of R. T.	yes
6398	"						"	"	"	O. of R. C.	"
6399	"						"	"	no		
6400	yes	200	6%	yes	mortgage		"	"	yes		
6401	yes	no				5 00	"	"	"	no	
6402	"						"	"	no		
6403	yes	no				7 00	neither	"	yes	O. of R. C.	"
6404	"						inc. 10%	"	"	no	
6405	"						neither	decreased	no	O. of R. C.	yes
6406	no					8 00	"	"	yes	"	
6407	"					12 00	"	"	"	"	
6408	"					8 00	"	increased	"	"	
6409	"					7 00	"	neither	"	"	
6410	yes	no					"	"	"	"	
6411	"						increased	"	"	O. of R. C.	yes
6412	no						neither	"	"	"	
6413	yes	400	7%	yes	contract		increased	"	"	B. of R. T.	"
6414	"	no					"	"	"	"	
6415	no						neither	decreased	"	O. of R. C.	"
6416	yes	no					"	neither	"	"	
6417	"						"	"	"	"	
6418	yes*				mortgage		increased	increased	"	"	
6419	no					9 00	neither	"	"	"	
6420	yes	no					increased	"	"	"	
6421	no						"	"	"	"	
6422	yes	800	6%	yes	mortgage		"	"	"	"	
6423	"	600	7%	"	contract		neither	increased	"	"	
6424	"	no					"	"	"	"	
6425	"						increased	"	no	"	
6426	"	200	6%	yes	mortgage		neither	increased	yes	"	
6427	"	no					increased	"	"	"	
6428	"	400	7%	yes	mortgage		neither	"	"	"	
6429	no					12 00	increased	"	no	"	
6430	yes	no					"	increased	yes	"	
6431	no						neither	neither	"	"	
6432	"						"	"	"	"	
6433	yes	no					increased	increased	"	"	
6434	"						neither	"	"	"	
6435	"	800	4%	yes	mortgage		increased	"	"	B. of R. T.	"

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no	yes	less	good	none	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	yes	same	none	"	
		"	"	"	"	no	"	"	"	
		"	"	"	yes	"	same	"	"	
		"	"	"	no	"	"	"	"	
		"	"	"	no	yes	less	"	"	
		"	"	"	"	no	same	"	"	Been in Am. 8 mo.
		"	"	"	"	"	"	"	"	
		"	"	"	"	yes	less	"	"	
no	yes	"	"	"	"	yes	same	"	"	
		"	"	"	"	no	less	"	"	
no	yes	yes	"	"	"	yes	"	"	"	
		no	"	"	yes	"	same	bad	"	
		"	"	"	no	no	"	none	"	
		"	"	"	yes	"	less	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	no	yes	same	"	"	{ Left Germany at age of 11 years.
		no	"	"	yes	yes	same	"	"	
yes	yes	yes	"	"	"	"	"	good	"	
"	"	no	"	yes	"	"	"	none	"	
		yes	"	"	"	"	"	bad	ankle dislocated	
yes	yes	no	"	no	"	"	"	none	none	
		yes	no	yes	no	yes	same	bad	"	
"	"	no	"	no	yes	"	"	none	"	
		"	"	"	"	"	"	"	"	
		yes	no	"	no	"	"	good	"	
		"	yes	"	"	"	"	"	inj. by fall f'm train	
		"	"	"	no	"	"	"	none	
yes	yes	no	"	yes	yes	"	"	bad	"	
		"	no	no	no	"	"	none	"	
		yes	yes	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
yes	yes	no	no	"	yes	no	"	"	lost finger and injured	
"	"	yes	"	yes	"	"	"	"	none	
"	"	"	"	"	"	"	"	"	lost a finger	
"	"	"	"	"	"	"	"	"	none	
"	"	"	"	"	"	"	"	"	"	
"	"	yes	"	"	"	yes	same	good	hand crushed	
"	"	"	"	"	"	"	"	bad	lost finger	
"	"	no	no	yes	"	yes	same	"	none	
"	"	yes	no	"	no	"	"	none	"	
"	yes	no	no	"	yes	"	"	"	shoulder injured	
"	"	"	"	"	"	"	"	"	leg injured	
"	"	yes	no	"	yes	"	"	bad	none	
"	"	"	"	"	no	"	same	none	"	
"	"	no	"	"	"	no	"	"	leg injured	
"	"	yes	yes	"	no	"	"	"	none	
"	"	no	no	"	yes	"	"	bad	"	
"	"	"	"	"	yes	"	"	none	finger crushed	
"	"	yes	"	"	no	"	"	bad	none	
"	"	"	"	"	yes	"	"	none	"	
"	"	"	"	yes	"	"	"	"	leg injured in wreck	
"	"	"	"	"	no	"	"	"	none	
"	"	"	"	"	yes	"	"	"	"	
"	"	no	"	"	yes	"	"	bad	"	

TABLE No. 1.—Continued from page 151.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6386						\$10 00	increased	increased	yes	O. of R. C.	yes
6387	yes	no					neither	neither	"	"	"
6388	"	yes*					"	"	"	"	"
6389						12 00	increased	increased	"	O. of R. C.	yes
6390	no						neither	neither	"	"	"
6391	yes	\$800	7%	yes	mortgage			increased	"	"	"
6392	no							neither	"	B. of R. T.	yes
6393	"					12 00	increased	increased	"	"	"
6394	"					11 00			"	O. of R. C.	"
6395						12 00	neither	"	"	B. of R. T.	"
6396	yes	800	6%	yes	mortgage			neither	"	O. of R. C.	"
6397	"	yes*							"	"	"
6398						12 00	increased	increased	"	O. of R. C. & B. of R. T.	"
6399							neither	neither	"	B. of L. E.	"
6400	yes	no					increased	increased	"	"	yes
6401	"	"					"	"	"	B. of L. E.	"
6402	no	"					"	"	"	"	"
6403	yes	no					neither	neither	"	"	"
6404									"	B. of L. E.	"
6405						12 00	increased	increased	"	"	yes
6406	no					13 00	neither	neither	"	B. of L. F.	"
6407	yes	no					increased	increased	"	B. of L. E.	"
6408	"						neither	decreased	"	"	"
6409	"	yes*	7%		contract		"	neither	"	"	yes
6410	"	"	7%		"		"	"	"	B. of L. F.	"
6411	no	no				10 00	increased	increased	"	B. of L. E.	"
6412							"	"	"	"	"
6413	yes	no					"	"	"	"	"
6414	no						"	"	"	B. of L. F.	yes
6415	yes	no				17 00	increased	increased	no	"	"
6416	no						neither	neither	yes	B. of L. E.	yes
6417	yes	no					increased	increased	"	"	"
6418	no						"	"	"	"	"
6419	yes	no					"	"	"	B. of L. F.	"
6420	"						"	"	"	"	"
6421	no					14 00	neither	"	"	"	"
6422	yes	850	7%	yes	mortgage				"	B. of L. F.	"
6423	no	no					"	neither	"	"	"
6424	"						"	increased	"	B. of L. E.	"
6425	yes	275	6%	yes	mortgage		increased	"	"	"	yes
6426	"	450	6%	"	"		"	"	"	"	"
6427	no						neither	neither	"	"	"
6428	"					12 00	increased	increased	"	"	"
6429	"					9 00	neither	neither	"	B. of L. F.	"
6430	"					12 00	increased	increased	"	no	"
6431	yes	no					"	"	"	B. of L. E.	yes
6432	no					12 00	neither	increased	"	"	"
6433	"					12 00	increased	"	"	"	"
6434	"					15 00	"	"	no	"	"
6435	yes	no					"	neither	yes	"	"
6436	"						"	increased	"	"	"
6437	no					15 00	neither	neither	"	"	"
6438	yes	no					"	"	"	B. of L. F.	"
6439	no					12 00	neither	neither	yes	B. of L. E.	"
6440	yes	no					increased	increased	"	"	"
6441	"						"	"	"	"	"
6442	"	900	6%	yes	mortgage		"	"	"	"	"
6443	"						"	"	"	"	"
6444	"						neither	neither	"	B. of L. F.	"
6445	yes	no					"	"	"	"	"
6446	"						"	"	"	"	"
6447	yes	no					"	"	"	"	"
6448	no					6 00	"	increased	"	no	"

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes		yes	yes	yes	yes			none	sprained ankle and *	
"		"	"	"	"			"	none	
yes		"	"	"	no			"	"	
"		"	"	"	yes			"	"	
yes		no	no	"	no			"	"	
"		yes	yes	"	no			"	"	
"		"	"		yes			"	"	
"		no	"	yes	no			"	"	
"		yes	"	"	yes			"	shot by tramp	
"		yes	"	"	no			bad	broke collar bone	
"		"	"	"	yes			none	none	
"		"	"	"	no			"	"	
"	yes	yes	yes	"	yes			bad	"	
yes	yes	"	yes	"	no			none	"	
"	yes	"	"	"	"			"	"	
"	yes	no	no	"	"			"	"	
"	yes	yes	"	no	"			"	"	
"	yes	yes	yes	yes	"			good	"	
"	yes	no	"	"	"			none	"	
"	yes	yes	"	"	yes			"	"	
"	"	"	no	"	"			"	"	
"	no	"	"	"	"			bad	"	
"	yes	"	"	yes	"			none	"	
"	"	"	no	no	no			"	"	
"	"	no	"	no	"			fair	"	
"	"	yes	"	"	"			bad	"	
"	"	"	"	"	"			fair	"	
yes	yes	no	"	"	"			"	"	
"	"	"	"	"	yes			"	"	
"	"	"	"	"	no			"	"	
yes	yes	yes	yes	yes	yes			good	"	{ Came to America when a child.
"	yes	no	no	"	yes			bad	"	
"	"	yes	"	"	no			none	"	
"	"	"	"	"	"			bad	"	
"	"	"	"	"	"			none	"	
"	yes	no	no	"	no	same		"	"	
"	"	yes	"	"	"			"	"	
"	"	"	no	"	yes			"	"	
"	"	"	"	"	no			"	"	
"	yes	"	no	yes	yes			"	"	
"	"	"	"	"	yes			"	"	
"	"	"	yes	"	no			"	hip injured	
"	"	no	"	"	yes			"	none	
yes	yes	yes	"	"	"			"	"	
"	"	"	"	"	no	yes	same	"	"	
"	"	"	yes	"	"			"	"	
"	"	no	no	"	yes			"	injured hip	
"	"	yes	"	"	"			"	none	
"	"	"	"	"	no			none	"	
"	yes	"	"	"	"			"	"	
"	"	no	"	"	yes			"	"	
"	"	yes	"	"	no			"	"	
"	yes	"	"	no	yes			"	"	
"	"	"	yes	"	"			"	"	
"	no	"	"	"	"			none	"	
"	yes	"	"	no	no			"	"	
"	"	yes	"	yes	yes			"	"	

* injured arm.

TABLE No. 1.—Continued from page 153.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
6870	no					\$7 00	increased	increased	no	no	
6871	"					10 00	"	"	yes	B. of L. F.	yes
6872	"						neither	neither	"	"	"
6873	no					10 00	"	increased	no	"	"
6930	"						"	"	yes	no	"
6931	"						"	"	no	"	"
6932	"					10 00	increased	increased	yes	B. of L. F.	yes
6933	"						neither	"	"	no	"
6934	"						"	"	"	B. of L. F.	yes
6935	"						"	"	"	no	"
6936	"						increased	"	"	"	"
6937	"						neither	neither	"	"	"
6938	"					9 00	increased	increased	"	B. of L. F.	yes
6939	"					10 00	neither	"	"	"	"
6940	yes	no					increased	"	"	no	"
6941	no					12 00	neither	"	"	"	"
6942	"					8 00	"	"	"	B. of L. F.	yes
6943	"						"	increased	"	"	"
6944	"					10 00	"	"	"	no	"
6945	yes	no					increased	"	"	B. of L. F.	yes
6946	no						neither	neither	"	"	"
6947	"						"	increased	"	no	"
6948	"					8 00	"	decreased	"	"	"
6949	"					12 00	"	increased	no	"	"
6950	"						"	neither	yes	"	"
6951	"						"	decreased	"	B. of L. F.	yes
6952	"						"	neither	no	no	"
6953	"						"	"	yes	B. of L. F.	yes
6954	yes	\$900	6%	no	mortgage		"	"	"	"	"
6955	"						"	"	"	"	"
6956	yes	800	7%	yes	mortgage		increased	increased	"	"	"
6957	"						neither	neither	"	no	"
6958	yes	800	6%	yes	mortgage		"	"	"	B. of L. F.	yes
6959	no					7 00	"	"	"	"	"
6960	"						"	"	"	no	"
6961	"						"	"	"	"	"
6962	"					10 00	"	"	"	B. of L. F.	yes
6963	"						"	"	"	no	"
6964	"						"	"	"	"	"
6965	"						"	increased	"	B. of L. F.	yes
6966	no						"	neither	"	no	"
6967	"						"	"	"	B. of L. F.	yes
6968	yes	no					increased	increased	"	no	"
6969	"						neither	neither	"	B. of L. F.	yes
6970	no	300	7%	yes			"	increased	"	no	"
6971	"						increased	"	"	"	"
6972	"					8 00	neither	"	"	"	"
6973	"					11 00	"	"	"	B. of L. F.	yes
6974	"						increased	"	"	no	"
6975	"						neither	"	"	B. of L. F.	yes
6976	"					10 00	"	increased	"	"	"
6977	yes	no					"	"	"	"	"
6978	no						"	"	"	"	"
6979	"						increased	"	"	"	"
6980	"						neither	neither	"	no	"
6981	"						"	"	"	B. of L. F.	yes
6982	"						"	"	"	no	"
6983	"						"	increased	"	"	"
6984	"					8 00	"	"	"	"	"
6985	"						"	neither	"	"	"
7098	"						"	increased	"	"	"
7099	"						"	increased	"	"	"
7100	"						"	"	"	"	"
7101	"					7 50	increased	neither	"	"	"
7102	"						neither	increased	"	"	"
7103	"					10 00	"	increased	"	"	"

Railway employes.

[illegible]

TABLE No. 1.—Continued from page 155.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7104	no						increased	increased	yes	no	
7105							neither	neither		B. of R. T.	yes
7106											
7107						\$10 00				no	
7108						7 00	increased	increased			
7109						8 00				B. of R. T.	
7110	yes	\$20	7%	yes	mortgage						yes
7111							neither	neither			
7112						9 00		increased	no		
7113						11 00	increased		yes		
7114							neither	neither	no	no	
7115								increased	yes		
7116	yes	300								B. of R. T.	yes
7117								neither			
7118										no	
7119										B. of R. T.	yes
7120										no	
7121											
7122						5 00					
7123	yes	no							yes		
7124							neither	neither			
7125						5 00	increased		no		
7126						7 00			yes	B. of R. T.	no
7127	no						neither			no	
7128	yes	no									
7129	no						neither	neither			
7130	yes	no					increased	increased			
7131		700	6%	yes	mortgage		neither			B. of R. T.	yes
7132											
7133								neither		no	
7134											
7135											
7136										B. of R. T.	yes
7137											
7138						11 00	increased	increased	no	B. of R. T.	yes
7139							neither	neither	yes		
7140	yes	\$30	7%	yes	mortgage		increased	increased			
7141		no							no		
7142		400	6%	yes	mortgage		neither		yes		
7143						6 00		neither		B. of R. T.	yes
7144											
7145						8 00	increased	increased	no		
7146							neither		yes		
7147						10 00		neither		B. of R. T.	yes
7148						10 00			no		
7149	no								yes	B. of R. T.	yes
7150						9 00			no		
7151						12 00	increased	increased	yes	B. of R. T.	yes
7152	no						neither			no	
7153											
7154								neither			
7155											
7156							increased	increased			
7157	yes	yes*	7%	yes	contract		neither	decreased		B. of R. T.	yes
7158		800	7%					neither			
7159	no					8 00			no		
7160						8 00	increased	neither	yes		yes
8161						10 00		increased			
7162	yes	450	6%	yes	mortgage		neither	neither	no		
7163		400	4%						yes		
7164						10 00	increased	increased		no	
7165							neither	neither	no	O. of H. C.	yes
7166									yes	B. of R. T.	
7167											
7168										no	
7169								neither		B. of R. T.	yes

* Does not say how much.

Railway Employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	yes	no	no			none fair	none	
yes	yes	no	yes	"	"	no	same	"	"	
		yes								
		no	no		yes			none	none	
yes	yes	no			"			none	pinched hand	
"	"	yes		no	"			"	none	
"	"	"		"	no			"	"	
		no			yes			"	"	
yes	yes	yes	yes		no			good	injured in a switch	
		"			"			none	none	
yes	yes	"		no	"			"	"	
		no			"			"	"	
		yes	no	no	yes			"	"	
		no	yes		no			good	broken arm	
		no	no					"	none	
					no			"	"	
yes	yes	yes	yes		"			good	"	
		"	no					"	"	
		no	yes	no	yes			good	inj. by falling from car	
yes	yes	no	yes	no	yes			none	none	
		yes		no	no			"	loss of thumb	
		no			yes			"	none	
yes	yes	"		no	"			"	"	
		"			"			"	"	
yes	yes	yes		no	"			"	"	
"	"	no		"	no			"	"	
		yes		"	yes			"	"	
		yes	no		no			"	pinched arm	
yes	yes	"		no	yes			"	none	
"	"	"		"	no			"	"	
		yes		"	yes			"	pinched hand	
yes	yes	no		"	"			"	none	
		"		"	"			"	"	
yes	yes	yes		"	"			bad	loss of finger	
yes	yes	"		"	"			none	none	
		no	no	"	"			"	hurt arm	
		yes	"	"	yes			"	none	
		"	"	"	"			"	crushed hand	
		no	"	"	no			"	none	
yes	yes	"	"	"	"			bad	"	
"	"	"	"	"	yes			"	"	
"	"	"	"	"	"	yes		"	"	
"	"	"	"	yes	"			good	dislocated ankle	
"	yes	yes			"			none	none	
"	"	"			"			"	"	
"	"	no			"			"	"	
yes	yes	yes		no	"			"	"	
"	"	"		no	no			"	shoulder injured	
"	"	no		no	no			"	none	
yes	yes			no	yes			"	"	

TABLE No. 1.—Continued from page 157.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7170											
7171						\$10 00	neither	neither	yes	B. of R. T.	yes
7172							increased	increased	no	"	
7173							neither	neither	yes	"	
7174							"	"	no	"	
7175	yes	\$580	6%	yes	mortgage		increased	increased	yes	B. of R. T.	yes
7176						9 00	neither	"	"	"	
7177							"	neither	"	"	
7179	yes	825	8%	no			"	"	no	"	
7180	"	no							yes	"	
7181	"						neither	increased	"	"	
7182	no					10 00	"	neither	"	"	
7183	yes	1,000	7%	yes	contract		"	neither	"	"	
7184	"	no					"	increased	"	"	
7185	"	"					"	"	"	"	
7186	"	"					"	"	"	O. of R. C.	yes
7187	"	600	7%	yes	mortgage		increased	"	"	no	
7188	"	no					"	"	"	"	
7190	no						neither	neither	"	"	
7191	yes	no					decreased	neither	"	B. of R. T.	yes
7193	"	300	7%				neither	neither	"	no	
7194	no					10 00	"	"	"	"	
7195	yes						"	"	"	"	
7196	"						"	"	"	"	
7197	"	100	7%	yes	mortgage		increased	"	"	no	
7198	"	no					decreased	"	"	yes*	
7199	no						neither	neither	"	"	
7200							neither	increased	yes	O. of R. T.	no
7201	yes	750	7%	yes	mortgage		increased	"	"	no	yes
7202	"	no				8 30	neither	"	"	no	
7203	"						"	neither	no	"	
7204	"	800	7%	yes	contract		increased	increased	no	O. of R. T.	yes
7205	no					2 50	neither	neither	yes	no	
7206	"					5 00	"	"	no	O. of R. T.	yes
7207	"					5 00	increased	increased	"	"	
7208	"						"	"	"	"	
7209	"					9 00	neither	"	yes	no	
7210	"					14 00	"	"	"	"	
7211	yes	no					increased	increased	"	"	
7212	"	"					"	"	"	"	
7213	no					25 00	increased	neither	"	"	
7214	yes	no					"	increased	"	"	
7215	"	"					"	increased	"	"	
7216	no					12 50	"	"	"	"	
7217	yes	no					neither	neither	no	"	
7218	no					6 50	"	"	"	"	
7219	"					8 00	neither	neither	yes	"	
7220	yes	no					increased	increased	no	"	
7221	"						"	"	"	"	
7222	yes	400	8%	yes	mortgage		neither	increased	yes	no	
7223	no					8 00	increased	increased	"	O. of R. T.	yes
7224	yes						"	"	"	no	
7225	"	no					decreased	decreased	no	"	
7226	"	"					neither	neither	yes	"	
7227	no					7 00	"	"	"	"	
7228	yes	no					"	neither	"	"	
7229	"	"					"	"	"	"	
7230	"	"					"	"	"	"	
7231	"	yes*		yes			"	"	no	"	
7232	"	no					increased	decreased	yes	"	
7233	"	1,500	7%	yes	mortgage		decreased	neither	"	"	
7234	no					10 00	neither	"	"	"	
7235	yes	200	7%	yes	contract		"	"	"	"	
7236	no					25 00	"	"	"	O. of R. T.	yes
7237	"						"	"	no	"	
7238	"						"	"	"	"	
7239	"						"	"	"	"	
7240	"						"	"	"	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes		no	no			none	none	
		no		no	yes			"	"	
yes	yes	no						"	"	
		yes		no	no			"	"	
		no			yes			"	"	
				no	no					
		no	yes	no	no			none		
		yes	no	"	"			"		
		"	yes	"	"			"		
yes	yes	no	yes	"	"			bad		
		yes	"	"	"			none		
		yes	"	"	"			"		
yes	yes	no	no	"	"			"		
		yes	"	"	"			"		
		no	"	"	"			"		
		yes	"	"	yes			bad	broken leg	
		"	no	"	no			good	none	
		"	no	no	yes			none	"	
		"	yes	yes	no			good	"	
		"	no	no	no			bad	"	
		yes	no	yes	no			good	"	
yes	yes	no	"	yes	yes			"	"	
		no	"	yes	no			bad	"	
		yes	"	"	yes			good	"	
yes	yes	yes	no	"	no	yes		bad	"	
		"	no	"	no			good	"	
yes	yes	"	no	"	yes			none	"	
		"	no	"	yes			fair	"	
no	no	yes	no	no	yes			none	"	
		no	no	no	no			fair	"	
		yes	yes	yes	no			good	"	
		"	"	"	"			none	"	
		"	no	no	no			good	"	
		"	no	no	no			good	"	
		yes	yes	no	yes			"	"	
		no	no	yes	"			none	"	
		yes	"	no	"			good	"	
		"	"	"	"	yes	same	"	"	
no	yes	yes	no	no	no			none	"	
		no	yes	yes	yes			"	"	
		yes	no	yes	no			good	"	
		no	"	no	"			"	"	
		yes	"	"	"			none	"	
		yes	yes	"	yes			good	injured by falling	
		no	no	"	no			"	none	
		"	yes	"	no			"	"	
		"	no	"	no	yes	same	none	"	
		no	no	"	yes			bad	"	
		yes	"	"	no			none	"	
no	no	no	"	yes	yes	no	same	bad	"	
		"	"	no	yes			good	"	

TABLE No. 1.—Continued from page 159.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7210	yes	\$100	7%	yes	contract	\$0 00	neither	neither	no	no	-----
7211	no	-----	-----	-----	-----	-----	-----	decreased	yes	-----	-----
7242	yes	no	-----	-----	-----	6 00	increased	neither	no	O. of R. T.	yes
7243	no	-----	-----	-----	-----	6 00	neither	decreased	no	no	-----
7244	-----	-----	-----	-----	-----	-----	-----	neither	yes	O. of R. T.	yes
7245	-----	-----	-----	-----	-----	-----	increased	increased	no	-----	-----
7246	-----	-----	-----	-----	-----	-----	neither	neither	-----	-----	-----
7247	yes	no	-----	-----	-----	10 00	increased	increased	no	-----	-----
7248	no	-----	-----	-----	-----	-----	-----	-----	-----	O. of R. T.	-----
7249	yes	no	-----	-----	-----	9 00	neither	decreased	yes	no	-----
7250	-----	-----	-----	-----	-----	-----	-----	neither	-----	-----	-----
7251	no	-----	-----	-----	-----	-----	-----	-----	-----	O. of R. T.	-----
7252	yes	no	-----	-----	-----	10 00	-----	-----	no	O. of R. T.	no
7253	no	-----	-----	-----	-----	-----	-----	increased	yes	no	yes
7254	yes	no	-----	-----	-----	11 00	neither	neither	yes	O. of R. T.	yes
7255	no	-----	-----	-----	-----	6 00	increased	increased	no	-----	-----
7256	yes	no	-----	-----	-----	10 00	neither	neither	yes	no	yes
7257	no	-----	-----	-----	-----	5 00	neither	neither	yes	O. of R. T.	yes
7258	yes	no	-----	-----	-----	-----	increased	increased	no	-----	-----
7259	no	-----	-----	-----	-----	-----	-----	-----	-----	O. of R. T.	yes
7260	-----	-----	-----	-----	-----	-----	neither	neither	no	no	-----
7261	-----	-----	-----	-----	-----	-----	increased	increased	no	O. of R. T.	no
7262	-----	-----	-----	-----	-----	-----	increased	increased	yes	no	-----
7263	no	500	7%	yes	mortgage	-----	increased	increased	no	-----	-----
7264	yes	-----	-----	-----	-----	18 00	neither	neither	no	-----	-----
7265	no	-----	-----	-----	-----	-----	increased	increased	yes	-----	-----
7266	no	-----	-----	-----	-----	-----	neither	neither	no	-----	-----
7267	yes	700	7%	yes	mortgage	-----	increased	decreased	yes	O. of R. T.	no
7268	no	-----	-----	-----	-----	-----	neither	increased	no	no	-----
7269	-----	-----	-----	-----	-----	-----	-----	neither	yes	O. of R. T.	yes
7270	no	-----	-----	-----	-----	7 00	neither	neither	no	no	-----
7271	-----	-----	-----	-----	-----	7 00	-----	-----	no	-----	-----
7272	no	-----	-----	-----	-----	8 00	-----	neither	yes	O. of R. T.	yes
7273	-----	-----	-----	-----	-----	-----	-----	-----	no	-----	-----
7274	no	-----	-----	-----	-----	-----	neither	neither	yes	-----	-----
7275	-----	-----	-----	-----	-----	-----	neither	neither	no	-----	-----
7276	no	-----	-----	-----	-----	-----	-----	neither	yes	-----	-----
7277	-----	-----	-----	-----	-----	-----	-----	neither	no	-----	-----
7278	no	-----	-----	-----	-----	10 00	-----	neither	yes	-----	-----
7279	-----	-----	-----	-----	-----	-----	-----	neither	no	O. of R. T.	no
7280	yes	800	6%	yes	contract	-----	neither	neither	yes	no	-----
7281	no	-----	-----	-----	-----	12 50	neither	neither	no	no	-----
7282	yes	-----	-----	-----	-----	5 00	increased	-----	yes	-----	-----
7283	no	-----	-----	-----	-----	-----	neither	-----	no	-----	-----
7284	yes	400	6%	yes	mortgage	11 50	-----	-----	yes	-----	-----
7285	no	-----	-----	-----	-----	18 00	neither	decreased	no	-----	-----
7286	yes	-----	-----	-----	-----	-----	increased	increased	no	-----	-----
7287	no	-----	-----	-----	-----	-----	neither	neither	no	-----	-----
7288	yes	-----	-----	-----	-----	40 00	increased	increased	no	-----	-----
7289	no	-----	-----	-----	-----	80 00	neither	neither	no	-----	-----
7290	-----	-----	-----	-----	-----	-----	increased	increased	no	-----	-----
7291	yes	no	-----	-----	-----	12 00	neither	neither	yes	-----	-----
7292	no	-----	-----	-----	-----	12 00	neither	neither	no	-----	-----
7293	yes	no	-----	-----	-----	-----	-----	neither	yes	-----	-----
7294	no	-----	-----	-----	-----	27 00	increased	-----	no	-----	-----
7295	yes	150	7%	-----	mortgage	-----	neither	neither	no	-----	-----
7296	no	-----	-----	-----	-----	-----	neither	neither	yes	-----	-----
7297	-----	-----	-----	-----	-----	-----	neither	neither	-----	-----	-----
7298	-----	-----	-----	-----	-----	-----	neither	neither	-----	-----	-----
7299	yes	-----	-----	-----	-----	-----	neither	neither	yes	-----	-----
7300	no	-----	-----	-----	-----	-----	neither	neither	no	-----	-----
7301	yes	-----	-----	-----	-----	-----	neither	neither	no	-----	-----
7302	no	-----	-----	-----	-----	-----	neither	neither	yes	-----	-----
7303	-----	-----	-----	-----	-----	-----	neither	neither	-----	-----	-----
7304	no	-----	-----	-----	-----	-----	neither	neither	yes	-----	-----
7305	-----	-----	-----	-----	-----	-----	neither	neither	-----	-----	-----

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	yes	no	no	yes	---	---	good	none	
no	no	"	"	"	"	---	---	bad	"	
---	---	no	"	"	yes	---	---	good	"	
yes	yes	"	"	"	no	---	---	bad	"	
---	---	"	"	"	---	---	---	"	"	
---	---	yes	"	"	"	---	---	none	"	
---	---	no	"	"	"	---	---	"	"	
yes	yes	"	"	"	"	no	less	good	injured knee	
---	---	yes	"	yes	no	---	---	bad	---	
yes	yes	no	"	"	no	---	---	good	none	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	yes	"	---	---	none	"	
yes	yes	yes	"	yes	yes	---	---	good	"	
no	no	no	no	no	"	---	---	"	"	
---	---	yes	yes	no	no	---	---	none	"	
---	---	no	no	"	"	---	---	bad	"	
---	---	no	no	"	"	---	---	good	"	
yes	yes	yes	"	no	"	---	---	"	"	
---	---	no	"	---	yes	---	---	none	"	
---	---	no	"	no	no	---	---	good	"	
---	---	yes	"	"	"	---	---	none	"	
yes	no	"	"	"	yes	---	---	bad	"	
---	---	"	"	"	"	---	---	none	"	
---	---	"	"	"	"	no	less	bad	"	
---	---	"	"	no	"	---	---	none	"	
no	no	"	"	no	"	---	---	bad	"	
---	---	yes	yes	no	no	no	same	good	"	
---	---	yes	no	yes	"	---	---	fair	"	
---	---	no	"	yes	yes	---	---	none	"	
---	---	no	"	---	no	---	---	"	"	
---	---	yes	"	---	"	---	---	"	"	
---	---	no	"	yes	"	---	---	bad	"	
no	no	yes	yes	no	yes	---	---	none	leg broken	
---	---	yes	no	no	yes	---	---	none	none	
---	---	"	"	"	yes	---	---	good	"	
---	---	"	"	"	---	---	---	bad	"	
---	---	no	no	no	no	---	---	good	"	
---	---	yes	"	"	no	---	---	"	"	
---	---	no	"	"	"	---	---	none	"	
---	---	no	"	"	"	---	---	good	"	
---	---	yes	yes	yes	yes	---	---	fair	"	
---	---	no	no	no	no	---	---	none	"	
---	---	no	"	yes	yes	---	---	none	"	
---	---	yes	yes	"	no	---	---	bad	"	
---	---	"	"	"	no	---	---	none	"	
---	---	no	no	"	"	---	---	"	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	yes	---	---	bad	"	
---	---	no	no	no	yes	same	---	none	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	no	yes	---	---	fair	"	
no	no	---	---	---	---	---	---	none	leg injured	
yes	no	no	no	no	no	---	---	good	none	
---	---	---	---	---	---	---	---	none	"	

Refuses to state salary.

Refuses to state salary.

{ Came to Am. when a child.

TABLE No. 1.—Continued from page 161.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7306	no										
7307	yes	yes*	7%		mortgage		neither	increased	yes	no	
7308	no	no					neither	neither	"	"	
7309	no						increased	neither	"	"	
7310	"					\$8 00	neither	"	"	"	
7311	"					14 00			"	"	
7312	yes	no					increased	increased	"	"	
7313	"	\$300	7%	yes	mortgage		neither	neither	"		
7314	no								"	no	
7315	"						increased	increased	"	"	
7316	"					10 00	neither	neither	"	"	
7317	"					15 00	increased	neither	no	"	
7318	"						neither	neither	"	"	
7319	"					5 00			yes	"	
7320	"						increased	increased	"	"	
7321	"						neither	"	"	"	
7434	"						"		"	"	
7435	"					18 00		neither	"	"	
7436	"						increased		no	"	
7437	yes	no							"	"	
7438	no						neither	neither	"	"	
7439	"						increased	increased	yes	"	
7440	yes	1,200	8%	yes	mortgage	10 00	neither	neither	"	"	
7441	yes	no					"	increased	"	"	
7442	no							neither	"	"	
7443	"						"		"	"	
7444	yes	500	7%	yes	mortgage			neither	"	"	
7445	no					10 00		increased	"	"	
7446	"							neither	"	"	
7447	"					10 00	increased	increased	"	"	
7448	"						neither	neither	"	"	
7449	"								"	"	
7450	"								"	"	
7451	yes	700	7%	yes	mortgage	12 00	neither	increased	"	"	
7452	yes						"		"	"	
7453	no							neither	"	"	
7454	yes	600	7%	yes	mortgage	10 00	increased	increased	"	"	
7455	no						neither	neither	"	"	
7456	"					10 00	increased	increased	"	"	
7457	"					18 00		neither	"	"	
7458	"						neither	increased	"	"	
7459	yes	1,000	6%	yes	contract			increased	"	"	
7460	no					25 00	neither	neither	"	"	
7461	"							increased	"	"	
7462	yes	no					increased	neither	"	"	
7463	no							increased	"	"	
7464	yes	no						neither	"	"	
7465	no							increased	"	"	
7466	"							neither	"	"	
7467	"								"	"	
7468	"							neither	"	"	
7469	"								"	"	
7470	"					5 50		neither	"	"	
7471	"						increased	increased	"	"	
7472	"								"	"	
7473	"						increased		"	"	
7474	"						neither		"	"	
7475	"							neither	"	"	
7476	"					9 00		increased	"	"	
7477	"								"	"	
7478	"						increased	increased	"	"	
7479	"						neither	neither	"	"	
7480	"							decreased	"	"	
7481	"					14 00		increased	"	"	
7482	"					13 00			"	"	
7483	yes	1,600	7%	yes	contract			neither	"	"	

* Does not say how much.

Railway employes. '

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	yes			good	none	
		no	"	no	no	yes	same	"	"	
		yes	"	"	"	no	"	"	"	
		no	yes	"	no	"	"	bad	"	
		yes	no	"	yes	no	"	none	"	
		no	"	"	no	"	"	"	"	
		yes	yes	"	yes	"	"	"	"	
		no	no	"	no	"	"	"	"	
		no	yes	"	yes	"	"	good	"	
		yes	"	"	"	"	"	"	"	
		no	no	"	yes	"	"	bad	"	
		yes	no	no	yes	"	"	none	"	
		no	"	"	no	"	"	"	"	
		yes	no	"	no	"	"	"	"	
		yes	yes	yes	no	"	"	none	"	
		"	no	"	yes	no	less	"	"	
		no	"	"	no	yes	same	"	"	
		yes	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		no	"	"	"	"	"	"	"	
		yes	"	"	yes	"	"	"	"	
		no	"	"	no	yes	less	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	bad	"	
		"	"	"	"	"	"	none	"	
		no	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	"	no	less	good	"	
		"	"	"	"	"	"	none	"	
		"	"	"	"	"	"	"	"	
		no	"	"	"	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	yes	"	"	"	"	
		yes	yes	"	no	"	"	"	"	
		no	no	"	"	"	"	"	"	
		"	"	"	"	"	"	good	"	
		"	"	"	"	"	"	none	"	
		"	"	"	"	"	"	"	"	
		yes	yes	"	"	no	less	"	"	
		no	no	"	yes	"	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	"	yes	less	bad	"	
		"	"	"	no	yes	same	bad	"	
		"	"	"	no	yes	less	none	"	
		yes	yes	"	yes	"	"	bad	"	

TABLE No. 1.—Continued from page 163.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7484	no						neither	increased	yes	no	
7485	"					\$9 00	increased	"	"	"	
7486	"						neither	neither	"	"	
7487	"						"	increased	"	"	
7488	"						"	"	"	"	
7489	"					6 00	"	"	"	"	
7571	yes	yes*			mortgage				no	"	
7572	"	no							"	"	
7573	no						increased	increased	"	"	
7574	yes	no					neither	neither	"	"	
7575	"	"					"	"	yes	"	
7576	no					8 00	"	"	"	"	
7577	yes	no							"	"	
7578	no					10 00	increased	increased	"	no	
7579	"						neither	n-ither	"	"	
7580	yes	\$300	6%	yes	contract		increased	increased	"	"	
7581	"	300	7%		mortgage				"	"	
7582	no					10 00	neither	neither	no		
7583	yes	no					increased		"	no	
7584	"	"					neither	neither	yes	"	
7585	"	"					increased	increased	"	"	
7586	"	"					neither	neither	"	"	
7602	"	600	7%	yes	mortgage		increased	increased	"	"	
7603	"	400	6%	yes	"		"	"	no	"	
7604	no								"	"	
7605	"					10 00	neither		no	"	
7606	"						decreased		"	"	
7607	"					18 00	neither		yes	no	
7608	"						increased	increased	"	"	
7609	"						"	"	"	"	
7610	yes	no					neither	increased	"	"	
7611	no						"	"	"	"	
7612	"						"	"	"	"	
7613	"						neither	neither	"	"	
7614	"						"	"	"	"	
7615	"						"	"	"	"	
7616	"						"	neither	yes	no	
7617	"						"	increased	"	"	
7618	"								"	"	
7619	yes	no							"	"	
7620	"								yes	"	
7621	yes	yes*	6%				increased	increased	"	"	
7622	no						"	"	"	"	
7623	"					25 00	"	"	"	"	
7624	"						neither	neither	"	"	
7625	"						"	"	"	"	
7626	"					10 00	increased		no	"	
7627	"						neither		yes	"	
7628	"						"	neither	"	"	
7629	no						"	"	"	"	
7630	"					12 00	"	"	no	O. of R. T.	yes
7631	"					8 00	increased	increased	yes	no	
7632	"						"	"	"	"	
7633	"					5 00	increased	"	no	"	
7634	yes						neither	neither	yes	no	
7635	no						"	"	no	"	
7636	"						"	"	yes	"	
7637	"						"	increased	"	"	
7638	"						"	neither	"	"	
7639	yes	no							"	"	
7640	"	800	7%	yes	mortgage		increased	increased	no	"	
7641	"	yes*					"	"	"	"	
7642	"	800	8%	yes	mortgage		neither	neither	yes	"	
7643	"	no					"	"	"	"	
7644	no					9 00	"	"	"	"	
7645	yes	no					increased	decreased	no	Carpenters' Union	yes

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	no			none		
		no	"	"	yes	less		"	none	
		"	"	"	no	"		"	"	
		"	"	"	no	same		"	"	
		yes	"	"	yes	"		"	"	
		no	"	"	no			"	"	
		yes	"	"	"			"	"	
		"	no	"	"			bad	"	Refuses to state salary
		"	"	"	yes			good	"	"
		"	"	"	yes	less		"	"	"
		"	"	"	"			"	"	"
		yes	yes	no	yes	same		none	"	
		no	no	"	no			"	"	
		yes	yes	"	yes	less		good	"	
		"	no	"	yes			"	"	
		"	"	no	"			none	none	
		no	"	"	"			"	"	
		"	"	no	"	same		"	"	
		no	yes	no	no			"	"	
		yes	yes	yes	yes			good	"	
		yes	no	no	no			none	"	
		"	"	"	"			good	"	
		yes	yes	no	no			none	"	
		no	no	"	"	less		"	"	
		yes	"	"	"			bad	"	
		no	"	"	"			none	"	
		"	"	"	"			bad	"	
		"	yes	no	yes			none	"	
		"	"	"	"			good	"	
		"	no	no	no			none	none	
		yes	yes	"	"	same		good	dislocated knee	
		"	no	"	yes			"	none	
		"	"	no	"			"	fell from a train	
		yes	"	no	yes			none	none	
		"	yes	yes	"			bad	"	
		no	no	no	no			none	"	
		"	"	"	yes			"	"	
		"	"	"	"			"	"	
		"	"	"	no			good	"	Refuses to state salary
		"	"	"	"			"	"	
		"	"	"	yes			none	"	
		"	"	no	"			"	"	
no	yes	"	yes	"	"			good	"	
		"	no	"	"			none	"	
		"	"	"	"			"	"	
		"	"	no	"			"	"	
		"	"	yes	"			bad	"	
		yes	no	no	"			none	"	
		no	"	"	"			"	"	
		"	"	"	"			"	"	
		yes	yes	"	"			"	"	
		"	no	"	yes			"	"	
		"	"	"	"			"	"	
		"	yes	"	no			"	"	
		"	"	"	yes	less		"	"	
yes	yes	"	no	"	"			good	"	

TABLE No. 1.—Continued from page 165.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7616	no						neither	neither	yes	no	
7617	yes	\$200	7%	yes	mortgage		"	"	"	"	
7618	"	700	7%	no	"		"	"	"	"	
7619	"	80	7%	yes	contract		increased		"	"	
7620	"	no						increased	"	Carpenter's Union	yes
7621	"	900	7%	yes			neither	neither	"	no	
7622	"	no					increased	increased	no	"	
7623	"	yes*					increased	neither	"	"	
7624	no					\$9 00	"	increased	yes	"	
7625	yes	no				9 00	"	"	no	"	
7626	"	yes*					neither	"	yes	"	
7627	no								"	"	
7628	yes	no					increased	"	"	"	
7629	"					10 00	"	"	"	"	
7630	no					12 00	"	"	"	"	
7631	yes	1,000	7%	yes	mortgage		neither	neither	"	B. of C. & J. of A.	no
7632	no					6 00	"	"	"	no	
7633	yes	no					increased	increased	"	"	
7634	"	1,225	7%	yes	mortgage				"	"	
7635	"	400	7%	"	"				"	"	
7636	no					8 00	neither	neither	"	"	
7637	"					9 00	increased	increased	"	"	
7638	yes	no				8 00	neither	neither	"	"	
7639	no						increased	increased	"	"	
7640	yes	350	7%	yes	mortgage		neither	neither	"	"	
7641	"	no					increased	increased	"	"	
7642	no					9 00	neither	neither	"	"	
7643	yes	800	7%	yes	contract		"	"	"	"	
7644	"	no				6 00	"	"	"	"	
7645	no						increased	increased	"	"	
7646	yes	1,000	7%	yes	mortgage		"	"	"	"	
7647	"	100	7%	"	contract		"	"	"	"	
7648	no					6 50	neither	neither	"	"	
7649	yes	350	7%	yes	contract		increased	increased	"	"	
7650	"	no					"	"	"	"	
7651	no	1,000	7%	yes	mortgage		neither	neither	"	"	
7652	"	400	7%	"	contract		increased	increased	"	"	
7653	"	no					"	"	"	"	
7654	no					7 00	neither		"	"	
7655	yes	850	7%	yes	contract		"	neither	"	"	
7656	no					12 00	neither	increased	"	"	
7657	yes	300	6%	yes	mortgage		increased		"	Cabinet Maker's Union	yes
7658	no					7 00	"	"	"	no	
7659	yes	no					"	"	"	"	
7660	"	"					"	"	"	"	
7661	no						neither	neither	"	"	
7662	yes	700	7%	yes	contract		increased	increased	"	"	
7663	"	no					"	"	"	"	
7664	no					12 00	"	"	"	"	
7665	yes	no					"	"	"	"	
7666	"	"					"	"	"	"	
7667	no						"	"	"	"	
7668	yes	800	6%	yes	mortgage		neither	neither	"	"	
7669	"	500	7%	"	contract		increased	increased	"	"	
7670	"	100	6%	"	mortgage		"	"	"	"	
7671	"	no					"	"	"	"	

* Does not say how much.

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no			none	none	
		yes	no	"	"	yes	same	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	yes	same	"	"	
yes	no	no	no	"	"	yes	same	bad	"	
		yes	yes	"	yes	"	"	none	"	
		no	no	"	no	"	"	"	none	
		yes	"	yes	yes	"	"	bad	"	
		"	"	no	no	yes	less	good	"	
		"	no	"	"	"	more	none	"	
		"	yes	"	"	"	same	"	"	
		no	yes	"	"	no	"	"	"	
		"	"	"	"	"	"	"	"	
yes	yes	yes	"	"	"	"	"	"	"	
		no	"	"	"	yes	same	"	"	
		"	"	"	"	no	"	"	"	
		"	"	"	"	yes	"	"	"	
		no	no	"	"	yes	"	"	"	
		yes	yes	"	"	no	same	"	"	
		"	"	"	"	yes	"	"	"	
		"	no	"	"	yes	less	"	"	
		"	yes	"	"	yes	same	"	"	
		"	no	"	"	yes	same	"	"	
		yes	yes	"	"	"	"	"	"	
		"	no	"	"	"	"	"	"	
		no	yes	"	"	no	same	"	broke a leg	
		"	"	"	"	"	"	none	none	
		yes	yes	"	"	no	"	"	"	
		no	"	"	yes	"	less	"	"	
		"	"	"	yes	yes	same	"	"	
		"	no	"	yes	"	"	"	"	
		yes	yes	"	yes	"	"	bad	"	{ Left native land
		no	"	"	"	no	same	none	"	{ when a child.
		"	"	"	no	yes	"	"	"	
		yes	no	"	"	"	"	"	"	
		"	yes	"	yes	"	"	"	"	
		"	no	"	"	no	same	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	yes	"	less	"	"	{ Left native land
		"	"	"	no	"	"	bad	"	{ when a child.
		yes	"	"	"	"	"	none	"	
yes	yes	"	"	"	yes	yes	same	"	"	
		"	"	"	"	"	"	"	"	
		no	"	"	no	no	"	"	"	
		yes	"	"	no	"	"	"	"	
		"	"	"	yes	yes	same	"	"	
		"	"	"	no	no	"	"	"	
		yes	"	"	"	"	"	"	"	
		no	"	"	no	yes	same	"	"	
		yes	"	"	"	no	"	"	"	
		"	"	"	"	no	same	"	"	{ Left native land
		no	"	"	"	"	"	"	"	{ when a child.
		yes	"	"	yes	"	"	"	"	
		"	"	"	"	yes	same	"	"	
		no	"	"	no	"	"	bad	"	
		yes	"	"	yes	"	"	none	"	

TABLE No. 1.—Continued from page 167.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7793	yes	\$700	7%	yes	mortgage	-----	increased	increased	yes	no	-----
7799	no	250	7%	yes	contract	-----	neither	neither	no	no	-----
7844	no	no	-----	-----	-----	-----	-----	-----	no	no	-----
7845	yes	no	-----	-----	-----	-----	-----	-----	no	no	-----
7846	no	-----	-----	-----	-----	\$5 00	-----	-----	no	no	-----
7847	yes	150	7%	yes	mortgage	-----	-----	-----	no	no	-----
7848	no	-----	-----	-----	-----	-----	-----	decreased	yes	no	-----
7849	yes	400	6%	yes	mortgage	-----	increased	increased	no	no	-----
7850	yes	no	-----	-----	-----	-----	neither	neither	no	no	-----
7851	no	-----	-----	-----	-----	6 00	increased	increased	no	no	-----
7852	no	-----	-----	-----	-----	-----	neither	neither	no	no	-----
7853	no	-----	-----	-----	-----	-----	increased	increased	no	no	-----
7854	no	-----	-----	-----	-----	7 00	-----	-----	no	no	-----
7855	yes	no	-----	-----	-----	-----	neither	neither	yes	no	-----
7856	no	400	7%	yes	contract	-----	increased	increased	no	no	-----
7857	no	no	-----	-----	-----	-----	neither	decreased	no	no	-----
7858	no	-----	-----	-----	-----	-----	increased	increased	no	no	-----
7859	no	-----	-----	-----	-----	10 00	-----	-----	yes	no	-----
7860	no	-----	-----	-----	-----	10 00	-----	-----	no	no	-----
7861	yes	250	7%	yes	contract	-----	-----	-----	no	no	-----
7864	no	-----	-----	-----	-----	6 50	neither	-----	no	no	-----
7865	no	-----	-----	-----	-----	-----	increased	-----	no	no	-----
7866	no	-----	-----	-----	-----	-----	-----	-----	no	no	-----
7867	no	-----	-----	-----	-----	-----	-----	-----	no	no	-----
7868	no	-----	-----	-----	-----	-----	neither	neither	no	no	-----
7869	no	-----	-----	-----	-----	-----	-----	-----	no	no	-----
7870	yes	no	-----	-----	-----	-----	-----	-----	no	no	-----
7890	no	-----	-----	-----	-----	12 00	-----	increased	no	no	-----
7891	no	-----	-----	-----	-----	-----	-----	-----	no	no	-----
7892	no	-----	-----	-----	-----	12 00	increased	-----	no	no	-----
7893	no	-----	-----	-----	-----	-----	-----	increased	no	no	-----
7894	no	-----	-----	-----	-----	-----	neither	-----	no	no	-----
7895	yes	no	-----	-----	-----	-----	increased	-----	no	no	-----
7896	no	-----	-----	-----	-----	-----	-----	-----	yes	no	-----
7897	yes	150	7%	yes	-----	-----	-----	-----	no	no	-----
7898	no	-----	-----	-----	-----	6 00	-----	-----	no	no	-----
7899	yes	800	7%	yes	mortgage	-----	-----	increased	no	no	-----
7900	no	-----	-----	-----	-----	8 00	-----	-----	no	no	-----
7901	yes	800	7%	yes	mortgage	-----	increased	increased	no	no	-----
7902	no	-----	-----	-----	-----	-----	neither	neither	no	no	-----
7903	no	-----	-----	-----	-----	-----	-----	-----	yes	no	-----
7904	no	-----	-----	-----	-----	6 00	-----	-----	no	no	-----
7905	no	-----	-----	-----	-----	-----	increased	increased	no	no	-----
7906	yes	no	-----	-----	-----	-----	neither	neither	yes	no	-----
7907	no	700	7%	yes	mortgage	-----	-----	increased	no	no	-----
7908	no	-----	-----	-----	-----	-----	-----	neither	no	no	-----
7909	no	-----	-----	-----	-----	-----	increased	increased	no	no	-----
7910	no	200	7%	yes	mortgage	-----	-----	-----	yes	no	-----
7911	no	-----	-----	-----	-----	-----	neither	-----	no	no	-----
7912	yes	no	-----	-----	-----	-----	-----	neither	no	no	-----
7913	no	-----	-----	-----	-----	-----	-----	-----	yes	no	-----
7914	no	-----	-----	-----	-----	10 00	increased	increased	no	no	yes
7915	yes	no	-----	-----	-----	-----	neither	neither	no	B. of L. E.	-----
7916	no	-----	-----	-----	-----	-----	increased	decreased	no	no	-----
7917	no	-----	-----	-----	-----	-----	increased	increased	no	no	-----
7918	no	800	7%	yes	contract	-----	neither	-----	no	no	-----
7919	no	100	7%	yes	mortgage	-----	increased	neither	yes	no	-----
7920	no	no	-----	-----	-----	-----	-----	increased	no	no	-----
7921	no	-----	-----	-----	-----	-----	-----	-----	no	no	yes
7922	yes	no	-----	-----	-----	-----	-----	-----	no	Machinists' Union	-----
7923	no	100	7%	yes	mortgage	-----	-----	-----	no	no	-----
7924	no	200	6%	-----	-----	-----	neither	neither	yes	no	-----
7925	no	-----	-----	-----	-----	9 00	-----	-----	no	no	-----
7926	yes	no	-----	-----	-----	-----	increased	increased	no	no	-----
7927	no	-----	-----	-----	-----	-----	neither	neither	no	no	-----
7928	no	-----	-----	-----	-----	-----	-----	-----	no	no	-----
7929	no	-----	-----	-----	-----	-----	-----	-----	no	no	-----

Railway Employés.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	yes	no	yes	no	less	bad	none	
		no	no	"	no	yes	same	good	"	
		yes	no	"	yes	no	same	"	"	
		no	"	"	yes	no	"	"	"	
		yes	"	"	no	"	"	"	"	
		"	"	"	no	yes	same	none	injured leg	
		"	"	"	"	yes	same	none	none	
		"	"	"	"	"	"	"	"	
		no	no	no	yes	"	"	"	"	
		yes	no	"	yes	yes	same	bad	"	
		no	yes	"	no	yes	same	none	"	
		yes	"	"	"	yes	"	bad	"	
		"	no	"	yes	"	"	bad	"	
		no	yes	"	"	"	"	none	"	
		yes	"	"	no	no	less	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	"	"	"	"	"	
		no	no	"	no	"	"	"	"	
		yes	yes	"	"	"	"	"	"	
		no	yes	"	"	"	"	"	"	
		yes	"	"	"	yes	same	"	"	
		no	"	"	yes	"	"	"	"	
		yes	no	"	no	"	"	"	"	
		no	"	"	"	"	"	"	"	
		yes	yes	"	yes	"	"	bad	"	
		"	no	"	"	"	"	none	"	
		"	"	"	"	yes	same	bad	"	
		"	"	"	no	yes	same	none	"	
		no	"	"	"	"	"	"	"	
		yes	yes	"	"	"	"	"	"	
		no	yes	"	"	"	"	"	"	
		"	no	"	yes	"	"	"	"	
		"	no	"	"	"	"	"	"	
		"	no	yes	no	yes	same	"	"	
		"	"	"	no	yes	same	bad	"	
		"	no	"	yes	"	"	"	"	
		"	"	"	"	yes	same	"	"	
		yes	no	"	no	"	"	"	"	
		no	"	"	"	no	less	"	"	
		yes	"	"	"	yes	same	"	"	
		"	yes	"	yes	no	more	"	"	
		no	no	"	yes	no	"	"	"	
yes	yes	yes	"	yes	no	no	"	good	"	{ Left Canada at age of 6 years.
		no	"	yes	no	no	"	good	"	
		yes	"	"	yes	yes	same	none	"	
		"	"	"	"	yes	same	bad	"	
		"	no	"	no	yes	same	good	"	
		"	"	"	yes	"	"	none	"	
no	yes	"	"	"	no	yes	same	"	finger injured	
"	no	"	no	"	yes	yes	same	"	finger injured	
	"	"	"	"	no	yes	same	"	none	
		no	"	"	yes	"	"	"	"	
		"	yes	"	"	"	"	"	"	{ Machinists getting less than \$1.75 day are apprentices.
		"	"	"	no	"	"	"	"	

TABLE No. 1.—Continued from page 169.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
7980							neither		yes	no	
7981	no						"			"	
7982	yes	\$300	7%	yes	mortgage		increased	increased	no	"	
7983							"	"		"	
7984	no					\$7 00	"	"	yes	"	
7985							neither	neither	no		
7986	yes	no							yes	I. A. of A. M.	yes
7987	no						increased	increased	yes	no	
7988							neither	neither	no	"	
7989	"					7 00				"	
7990	"					6 00	increased	increased	yes	"	
7991	yes	300	6%	yes	mortgage		"				
7992	no					15 00	neither	neither	"	I. A. of A. M.	yes
7993						10 00	increased	increased	"	"	
8000	"						neither	neither	"	no	
8001	yes	no					increased	increased	"		
8002	"						neither	neither	"	"	
8003	no						increased	increased	"	I. A. of A. M.	yes
8004	yes	no					increased		"	no	
8005	no					15 00	neither			"	
8006	yes	no					increased	increased	no	"	
8007							neither	neither	"	"	
8008							"	"	"	"	
8009	yes	no					"	"	"	"	
8010	no						increased		yes	"	
8011	yes	\$75	7%	yes	mortgage		neither	increased	no	"	
8012	no						"	neither	yes	"	
8013	"					8 00	"			"	
8014	yes	700	7%	yes	mortgage		increased	increased	"	"	
8015	no						neither	neither	"	"	
8016	yes	no					"		"	"	
8017	"	"					"	increased	"	"	
8018	"						"	neither	"	"	
8019	no						"		"	"	
8020							"		"	"	
8021	"						increased		"	I. A. of A. M.	no
8022	"						neither	neither	"	no	
8023	yes	no					"	increased	"	"	
8024	no						"		"	"	
8025							"	neither	no	"	
8026	yes	500	7%	yes	mortgage		increased	increased	yes	I. A. of A. M.	yes
8027	"	350	7%	"	"				no	"	
8028	"	no					neither	"	"	no	
8029	no						"	neither	"	"	
8030	yes	no					increased	increased	yes	I. A. of A. M.	yes
8031	no						neither		no	"	
8032	"						increased		"	"	
8033	"						neither		yes	"	
8034	"					10 00	increased	increased	no	"	
8035	"					9 00	neither	neither	"	I. A. of A. M.	yes
8036	yes	no					increased	increased	yes	"	
8037	no						neither	neither	"	no	
8038	"						increased		no	"	
8039	"					16 00	neither	neither	yes	"	
8040	"						"		"	"	
8041	"						increased	increased	"	I. A. of A. M.	yes
8042	yes	no					neither	decreased	"	"	
8043	no						increased	increased	"	no	
8044	"						neither	neither	"	"	
8045	yes	200	7%	yes	mortgage		increased	increased	no	I. A. of A. M.	yes
8046	no						"		yes	"	
8047	"						neither	neither	"	no	
8048	"						"	increased	"	"	
8049	no					10 00	increased	"	no	I. A. of A. M.	yes
8162	yes	600	6%	yes	contract		"	"	no	Boiler Makers' Union	no
8163	no						"	"	yes	"	yes

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	yes	yes	no	---	---	---	none	none	
---	---	no	no	yes	yes	---	---	"	lost a leg	
---	---	yes	"	"	no	---	---	"	none	
---	---	no	"	"	yes	---	---	"	"	
yes	no	yes	"	"	no	---	---	"	hurt fingers	
---	---	no	yes	"	yes	---	---	"	none	
---	---	no	"	"	---	yes	same	"	"	
---	---	yes	no	"	no	no	"	"	"	
---	---	no	yes	"	yes	---	---	"	"	
no	yes	no	yes	"	no	---	---	"	"	
---	---	no	"	no	yes	---	---	"	"	
---	---	yes	"	"	no	---	---	"	"	
no	no	no	"	"	yes	---	---	"	"	
---	---	yes	"	"	"	---	---	"	"	
---	---	no	no	"	"	---	---	"	"	
---	---	no	yes	"	"	---	---	"	"	
---	---	yes	no	yes	no	---	---	bad	"	
---	---	no	yes	yes	yes	---	---	none	leg crushed	
---	---	yes	"	"	"	---	---	"	none	
---	---	yes	"	no	"	---	---	"	"	
---	---	"	yes	"	"	---	---	"	"	
---	---	"	no	"	"	---	---	good	"	
---	---	"	yes	yes	no	---	---	fair	"	
---	---	"	"	no	yes	---	---	"	"	
---	---	"	no	yes	"	---	---	none	"	
---	---	no	yes	yes	no	---	---	fair	"	
---	---	yes	"	"	"	---	---	good	"	
---	---	yes	yes	"	"	---	---	fair	"	
---	---	no	yes	no	yes	yes	same	good	"	
no	no	no	yes	yes	no	---	---	fair	fingers & foot injured	
---	---	no	yes	"	yes	---	---	none	none	
---	---	yes	yes	"	"	yes	less	good	foot bruised	
---	---	"	no	"	no	---	---	none	none	
no	no	no	yes	"	yes	---	---	good	"	
---	---	"	"	"	no	yes	same	bad	struck with hammer	
---	---	"	"	"	yes	---	---	none	none	
no	no	no	yes	"	"	yes	"	"	"	
---	---	yes	no	"	"	"	same	"	"	
---	---	yes	yes	"	yes	---	---	"	"	
---	---	"	"	"	"	---	---	"	hand injured	
no	no	no	"	"	no	---	---	"	none	
---	---	"	"	"	"	---	---	"	"	
---	---	"	"	"	yes	yes	same	"	"	
---	---	"	"	"	no	---	---	"	"	
no	no	yes	"	"	"	---	---	"	"	
---	---	"	"	"	yes	yes	same	"	finger injured	
---	---	no	"	"	"	---	---	"	none	
no	no	yes	yes	"	no	no	same	"	hand crushed	
---	---	"	no	"	yes	---	---	"	none	
---	---	"	"	"	"	---	---	"	"	
no	yes	"	no	"	"	---	---	good	fingers injured	
---	---	"	"	"	"	---	---	none	none	
"	no	"	"	no	no	yes	same	"	fingers crushed	
"	"	no	"	"	"	---	---	"	none	

TABLE No. 1.—Continued from page 171.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8164	no						increased	increased	yes	no	
8165	"						neither	neither	no	"	
8166	"						increased	increased	"	"	
8167	"						"	"	"	Boiler Makers' Union	yes
8168	"						"	"	"	"	
8169	"						increased	increased	yes	no	
8170	"						neither	neither	no	Boiler Makers' Union	yes
8171	"						"	increased	yes	"	
8172	"						"	"	no	"	
8173	"						"	"	yes	"	
8174	yes	\$300	7%	yes	mortgage		"	"	no	no	
8175	yes					\$13 00	"	"	yes	"	
8176	yes	no					increased	"	"	"	
8177	no						neither	"	"	"	
8178	yes	no					"	increased	"	"	
8179	no					5 00	"	neither	"	"	
8180	yes					5 00	increased	increased	no	"	
8181	"	no					neither	neither	yes	"	
8206	no						increased	increased	"	"	
8207	yes	700	4%	yes	mortgage		increased	"	"	"	
8208	"	200	6%	"	"		"	"	"	"	
8209	"	no					"	"	"	"	
8210	no					8 00	"	"	"	"	
8211	yes	200	7%	yes	contract		"	increased	"	"	
8212	"	no					"	"	"	"	
8213	"	200		yes			"	"	"	"	
8214	"	no					"	"	"	"	
8215	"	300	7%	yes	mortgage		neither	"	"	"	
8216	no						"	neither	"	"	
8217	"						"	increased	"	"	
8218	yes	900	7%	yes	contract		increased	"	"	"	
8219	no						"	"	"	"	
8220	"						"	"	"	"	
8221	yes	600	7%	yes	mortgage		"	increased	no	"	
8222	"	no					"	"	yes	"	
8223	"	400	7%	yes	contract		"	"	"	"	
8224	"	no					neither	neither	"	"	
8225	no					6 00	"	increased	no	"	
8226	yes	no					"	increased	yes	"	
8227	"						"	neither	no	"	
8228	"						increased	increased	"	"	
8229	no					8 00	neither	"	yes	"	
8230	yes	no					"	increased	no	"	
8231	"	yes*					"	neither	"	"	
8232	"	no					increased	increased	"	"	
8233	no					8 00	"	"	yes	"	
8234	yes	yes*					neither	increased	no	"	
8235	"	no					increased	"	yes	"	
8236	"	"					"	"	no	"	
8237	no					10 00	"	"	yes	"	
8238	yes	no					"	increased	"	"	
8239	"	"					"	"	"	"	
8240	no					8 00	"	"	"	"	
8241	yes	400	7%	yes	mortgage		"	"	"	"	
8242	no					6 00	increased	"	"	"	
8243	"	no					neither	neither	"	"	
8244	"	"					increased	increased	"	"	
8245	"	"					"	"	"	"	
8246	no					5 00	"	"	"	"	
8247	yes	no					"	"	"	"	
8248	"	"					"	"	"	"	
8249	no						neither	neither	"	"	
8250	yes	no					increased	"	"	"	
8251	no					10 00	neither	increased	"	"	
8252	"					10 00	increased	"	"	"	
8253	yes	no					neither	neither	"	"	

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	yes	yes	no			none	none	
		"	"	"	"			"	burned foot	
no	no	yes	no	yes	no	no	same	"	none	
		no	"	"	yes	yes	less	"	"	
no	no	"	yes	no	yes	"	same	"	"	
"	"	"	"	yes	"	no	less	"	"	
		yes	yes	"	"	yes	same	"	"	
		"	"	"	yes	"	"	bad	"	
		no	no	no	no	yes	same	none	"	
		"	"	yes	no	"	"	fair	"	
		yes	"	"	"	yes	same	none	"	
		no	yes	"	yes	no	"	"	back hurt	
		yes	"	"	no	yes	"	"	none	
		"	yes	"	"	no	same	"	"	{ Left Germany when
		"	"	"	"	"	"	"	"	{ a child.
		"	"	"	yes	"	"	"	"	
		"	"	"	no	no	same	"	"	
		"	"	"	"	yes	"	"	"	
		"	"	"	"	no	"	"	"	
		"	"	"	"	yes	"	"	"	
		yes	"	"	yes	"	"	bad	"	
		no	"	"	no	"	"	none	"	
		"	"	"	"	no	same	"	"	
		"	no	"	"	yes	"	"	chin cut	
		yes	yes	"	yes	"	"	fair	none	
		no	no	"	"	"	"	none	hand cut	
		yes	yes	"	no	"	"	bad	none	
		"	"	"	yes	"	"	none	"	
		"	no	"	yes	"	"	"	none	
		no	yes	"	no	yes	same	"	"	
		yes	no	"	yes	"	"	"	"	
		no	yes	"	"	yes	same	"	"	
		yes	no	"	yes	no	"	none	"	
		no	"	yes	no	yes	"	bad	"	
		yes	"	"	"	no	"	none	eyes burned	
		no	yes	"	"	"	less	"	none	
		"	"	"	"	"	same	"	"	
		yes	"	"	"	no	"	bad	"	
		no	"	"	"	yes	"	none	"	
		yes	"	yes	yes	"	"	"	"	
		no	yes	"	no	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	yes	"	"	"	"	
		"	"	"	no	"	"	"	"	{ Left Germany when
		yes	"	"	yes	yes	same	"	"	{ a child.
		no	"	"	yes	"	"	"	"	
		yes	"	"	"	yes	less	bad	"	
		no	no	"	no	"	"	"	"	
		yes	yes	yes	"	"	"	fair	"	

TABLE No. 1.—Continued from page 173.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8254	yes	\$200	7%	yes	mortgage		neither	neither	no	no	
8255	no										
8256	yes	1,000	6%	yes	mortgage		increased	increased	"	"	
8257	no						neither	neither	yes	"	
8258	yes	250	6%	yes	mortgage		increased	increased	no	"	
8259	no					\$1.50	neither	neither	yes	"	
8260								increased		"	
8261	yes	100	6%		mortgage		increased	"	no		
8262	no							"	"	Molders' Union.	
8263	yes	100	7%	yes	mortgage		neither	"	"	no	
8274	no						increased	neither	yes	"	
8275	yes	600	6%	yes	mortgage		neither	increased	"	"	
8276	no					3 00	increased	increased	"	"	
8277	yes	400	7%	yes	mortgage				"	"	
8278	no						neither	neither	"	"	
8279								increased	"	"	
8280	yes	yes*					increased		"	"	
8281	"	no					neither	neither	"	"	
8282	"								"	"	
8283	no					9 00	"	neither	no	"	
8284	yes	no							yes	"	
8285	no	400	7%	yes	contract		increased	increased	"	"	
8286	no						neither	neither	"	"	
8287									yes	"	
8288	yes	no					increased	increased	"	"	
8289	no					7 00	neither	"	no	"	
8290	yes	no					increased	"	yes	"	
8291								"	no	"	
8292						6 00	neither	"	"	"	
8293	no							neither	yes	"	
8294											
8295	no								no	no	
8296						10 00	neither	decreased	"	B. of R. T.	yes
8297	"					10 00	"		yes	no	
8298	"					10 00	"	neither	"	"	
8299	"					12 00	increased	increased	"	"	
8300	"					11 00			"	"	
8301	yes	no					neither	"	"	"	
8302	no					10 00			"	"	
8303	yes	500	7%	yes	contract		increased	"	"	"	
8304											
8305	no					9 00	neither	neither	yes	B. of R. T.	yes
8306						9 00	"	"	"	no	
8307	yes	no					"	"	"	"	
8308	no					6 00	"	decreased	no	"	
8309	yes	no					"	neither	"	"	
8310	"	75	6%		mortgage		increased	increased	yes	"	
8311	"	no					"	"	"	"	
8312	no								"	"	
8313							neither		no	S. M. A. A.	yes
8314	yes	no						increased	yes	no	
8315	no					9 00	increased	"	"	S. M. A. A.	
8316	"					8 00	neither	neither	"	no	
8317	"					12 00	"		"	O. of R. C.	yes
8318	yes	no					"	increased	"	no	
8319	no					11 00			"	"	
8320	"					9 00	increased	"	"	"	
8321	"					12 00	"	"	"	S. M. A. A.	yes
8322	"					7 00	"	"	"	no	
8323	"					35 00	"	"	"	"	
8324	yes	850	6%	yes	mortgage				"	S. M. A. A.	yes
8325	"	no					neither	neither	"	no	
8326	"	v					increased	increased	no	"	
8327	"						neither	neither	yes	"	
8328	"	1,000	7%	yes	mortgage		increased	increased	"	S. M. A. A.	yes
8329	"	no							"	"	

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	yes	---	---	no	yes	same	none	none	
---	---	no	---	no	yes	"	"	"	"	
---	---	"	no	"	"	"	"	"	"	
---	---	"	no	"	"	"	"	"	"	
---	---	yes	yes	"	no	yes	---	bad	"	
---	---	no	---	"	yes	no	---	"	"	
---	---	"	---	"	yes	yes	same	none	"	
---	---	"	---	"	---	---	---	"	"	
---	---	yes	no	"	no	"	---	"	"	
---	---	no	yes	"	"	no	same	"	"	
---	---	"	"	"	"	yes	"	"	"	
---	---	"	"	"	"	"	less	bad	"	
---	---	"	"	"	"	"	same	none	"	
---	---	"	"	"	"	no	"	"	"	
---	---	yes	yes	"	yes	yes	"	fair	"	
---	---	"	---	no	no	---	---	"	"	
---	---	yes	no	"	"	---	---	none	lost three fingers	{ Left native land when a child.
---	---	no	---	"	"	---	---	none	none	
---	---	"	---	"	"	---	---	"	"	
---	---	yes	yes	"	"	---	---	"	"	
---	---	no	no	"	"	no	---	"	"	
---	---	yes	no	"	yes	---	---	bad	"	{ Left native land when a child.
---	---	no	---	"	yes	---	---	none	"	
---	---	"	---	"	"	---	---	"	"	
---	---	no	---	"	no	no	less	"	"	
---	---	yes	yes	"	yes	---	---	good	none	
yes	yes	"	---	no	yes	---	---	none	"	
---	---	"	no	"	no	---	---	good	"	
---	---	"	---	"	no	yes	---	none	hand crushed	{ Left native land when a child.
---	---	"	---	"	yes	no	same	"	none	
---	---	"	---	"	"	---	---	"	"	
---	---	no	---	"	yes	---	---	"	"	
yes	yes	no	no	"	"	---	---	good	none	
---	---	yes	yes	"	"	---	---	bad	"	
---	---	no	no	"	"	---	---	good	"	
---	---	no	no	"	"	---	---	good	"	
---	---	"	---	no	yes	---	---	none	"	
yes	yes	no	no	"	"	yes	same	bad	none	{ Left native land at age of 15 years.
---	---	yes	---	"	"	yes	same	none	"	
---	---	"	no	"	no	yes	---	"	"	
yes	yes	no	no	"	no	yes	less	fair	none	
---	---	yes	---	"	no	yes	same	none	"	
---	---	"	---	"	yes	---	---	"	"	
yes	yes	"	---	yes	no	yes	same	"	hand crushed	
---	---	"	---	no	no	yes	---	good	none	
yes	yes	"	---	"	yes	---	---	none	fingers smashed	
---	---	"	---	"	yes	---	---	"	lost an arm	
---	---	"	---	"	"	---	---	"	none	
yes	yes	no	---	"	no	---	---	"	none	

TABLE No. 1.—Continued from page 175.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8396	no					\$8 00	increased	increased	yes	no	
8397	"						neither	"	"	S. M. A. A.	yes
8398	"						increased	"	"	B. of R. T.	"
8399	"					15 00	"	"	"	S. M. A. A.	"
8399	"						"	"	"	"	"
8399	yes	no				12 50	neither	"	"	"	"
8399	no						increased	"	"	B. of R. T.	"
8399	yes	no				11 00	neither	neither	"	"	"
8399	no						"	"	"	S. M. A. A.	"
8399						8 00	increased	"	"	no	
8397	no	\$600	7%	yes	contract	7 00	neither	neither	no	S. M. A. A.	yes
8398	yes						"	increased	yes	no	
8399	no					8 50	increased	"	"	"	
8400	yes	yes*			contract		"	"	"	"	
8401	no					12 00	"	"	"	S. M. A. A.	yes
8402	"					15 00	"	"	"	"	
8403	yes	no					"	"	"	no	
8404	"	800	7%	yes	contract		neither	neither	"	S. M. A. A.	yes
8405	no					11 00	"	"	"	no	
8406	"					15 00	"	increased	"	"	
8407	"					11 00	increased	"	"	"	
8408	"					13 00	"	"	"	"	
8409	yes	no					neither	neither	"	S. M. A. A.	yes
8410	no	900	6%	yes	mortgage		"	increased	"	yes*	
8411	no					12 00	increased	"	"	B. of R. T.	yes
8412	"					10 00	"	"	"	no	
8413	yes	no					neither	neither	"	"	
8414	"					12 00	"	"	no	"	
8415	"						"	"	"	"	
8416	yes	no					increased	increased	yes	"	
8417	no					5 00	increased	neither	no	"	
8418	"						neither	"	yes	"	
8419	yes	no					increased	increased	"	"	
8420	"						neither	neither	"	"	
8421	no					4 00	increased	increased	no	"	
8422	yes	no					neither	neither	yes	"	
8423	no						increased	increased	"	"	
8424	yes	no					neither	neither	"	"	
8425	no						"	"	yes	"	
8426	yes	no					"	"	no	"	
8427	yes	no					"	"	yes	"	
8428	"						"	"	"	"	
8429	"						increased	increased	"	"	
8430	no					7 00	neither	neither	no	"	
8431	yes	no					"	"	yes	"	
8432	"	400	7%	yes	contract		increased	increased	"	"	
8433	"	no					"	"	"	"	
8434	no					10 00	"	"	"	"	
8435	"					10 00	neither	neither	"	"	
8436	"					6 00	increased	increased	no	"	
8437							neither	neither	"	"	
8438						8 00	"	"	yes	"	
8439	no					5 00	increased	increased	no	"	
8440	"						neither	neither	yes	"	
8441	yes	no					"	decreased	"	"	
8498	no						"	neither	yes	"	
8499	yes	no					"	increased	"	"	
8500	"	800		yes	contract		"	neither	"	"	
8501	"	500	7%		"		"	"	"	"	
8502	"	no					increased	increased	"	"	
8503	no					12 00	"	"	"	"	
8504	yes	800	7%	yes	mortgage		neither	"	"	"	
8505	"	no					increased	"	no	"	
8506	"	400	7%	yes	contract		"	"	"	"	
8507	"	no					"	"	"	"	

* Does not say what.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
yes	yes	yes	no	no	no			none	crushed hand	
"	"	no	"	"	yes	no	less	bad	none	
"	"	"	"	"	"	"	"	none	"	
"	"	"	yes	"	"	"	"	"	"	
"	"	yes	no	"	no	yes	same	"	injured arm	{ Left native land
"	"	no	"	"	yes	"	"	"	lost four fingers	{ when a child.
"	"	"	"	"	no	"	"	"	none	{ Left native land
"	"	"	"	"	yes	"	"	"	"	{ when a child.
"	"	yes	yes	"	"	"	"	"	injured hand	
yes	yes	yes	no	no	"	"	"	good	none	
"	"	"	"	"	no	"	"	"	"	
"	"	"	"	"	no	"	"	none	"	{ Left native land
"	"	"	"	"	yes	"	"	good	"	{ when a child.
yes	yes	"	yes	no	"	"	"	none	none	{ Left native land
"	"	"	yes	"	"	no	same	"	"	{ when a child.
yes	yes	no	no	"	no	yes	"	"	lost thumb & finger	
"	"	yes	"	"	no	"	"	"	none	
"	"	"	"	"	yes	yes	same	"	"	
"	"	"	"	"	no	"	"	"	"	
yes	yes	"	"	"	yes	"	"	"	"	
"	"	no	"	"	no	"	"	"	"	
yes	yes	"	"	"	yes	yes	less	"	both legs broken	
"	"	yes	no	"	no	yes	same	"	none	
"	"	no	"	"	"	"	"	good	lost one leg	
"	"	"	"	"	"	"	"	"	none	
"	"	"	"	no	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	
"	"	no	no	"	"	"	"	good	"	{ Left native land
"	"	"	"	"	"	"	"	none	"	{ when a child.
"	"	no	no	"	"	"	"	good	"	
"	"	yes	no	"	yes	"	"	none	"	
"	"	no	"	"	"	"	"	"	"	
"	"	no	"	"	"	yes	less	good	"	
"	"	no	"	"	no	no	same	none	"	
yes	"	"	"	"	"	yes	"	"	"	
yes	no	"	"	"	yes	yes	"	"	"	
yes	no	"	"	"	"	"	same	"	"	
yes	yes	"	no	"	no	"	"	"	"	
"	"	yes	"	"	"	"	"	"	"	
"	"	"	"	no	yes	yes	same	"	"	
"	"	"	no	"	no	"	"	"	"	
"	"	no	"	"	"	"	"	"	"	
"	"	"	no	"	"	"	"	"	"	
yes	"	"	no	"	yes	"	"	"	severe injury	
yes	no	"	no	"	no	"	"	"	injured foot	
yes	no	yes	no	"	yes	"	"	"	none	
"	"	"	"	"	"	"	"	"	"	
yes	"	no	"	"	"	"	"	"	"	
yes	no	"	"	"	"	"	"	"	burned hand and foot	
"	"	"	"	"	"	"	"	"	none	
"	"	"	"	no	yes	yes	same	bad	"	
"	"	"	"	"	no	"	"	none	"	
yes	"	"	"	"	yes	"	same	"	"	{ Left native land
"	"	"	"	"	"	no	"	bad	"	{ when a child.
"	"	"	"	"	"	"	less	none	"	
"	"	yes	"	"	no	"	"	"	"	
no	"	no	"	"	"	"	"	"	squeezed under car	
yes	"	"	"	"	yes	"	"	"	none	
"	"	"	"	"	no	"	"	"	"	

TABLE No. 1.—Continued from page 177.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8508	no					\$15 00	neither	neither	yes		
8509	"						"	"	"		
8510							"	"	"		
8511							"	"	"		
8512	yes	yes*	7%		contract		increased	increased	yes		
8513							neither	neither	no		
8514	yes	yes*	7%		mortgage		increased	increased	yes		
8515	"	no					"	"	no		
8516	no						neither	"	yes		
8517	yes	no					increased		"		
8518	no						neither		"		
8519	yes	no					increased	increased	no		
8520	no						neither	neither	"		
8521	yes	yes*					"		"		
8522	no					6 00	"	increased	yes		
8523	"						increased		"		
8524	yes	\$100	7%	yes	mortgage		"		"	B. of L. F.	yes
8525	no					10 00	neither	neither	"	no	
8526	yes	no					increased	increased	"		
8527	"	400	7%	yes	mortgage		neither	"	"		
8528	"						"	"	"		
8529	no					12 00	increased	"	"		
8530	yes	no					"	"	"		
8531	"	"					"	"	no		
8532	no						neither	"	yes		
8533	yes	yes*	6%	yes	mortgage		increased	"	"		
8534	"	no					"	"	"		
8535	no					4 00	neither		no		
8536	"					10 00	increased	increased	yes		
8537	"					10 00	"	"	"		
8538	"					8 00	neither	"	"		
8539	yes	no					increased	"	"		
8540	"						neither	neither	"		
8541	no						increased	"	"		
8542	yes	no					increased	increased	"		
8543	"						"	"	"		
8544	"						"	"	"		
8545	"	500	7%	yes	contract		"	"	no		
8546						9 00			yes		
8547						9 00	increased		no		
8548	no								"		
8549	yes	no					increased	increased	no		
8550	"	400	6%	no	mortgage		"	"	"		
8551	"	no					neither	"	yes		
8552	"	"					increased	"	no		
8553	"	"					"	"	"		
8554	no					15 00	"	"	yes		
8555	yes	yes*	7%	yes	mortgage		"	"	no		
8556	"	no					neither		yes		
8557	no						"	neither	"		
8558	yes	no					"	"	no		
8559	no					12 00	"	increased	yes		
8560	"					10 00	increased	"	"	no	
8561	"					6 00	neither	"	no		
8562	yes	no					"	increased	yes		
8563	no					6 00	"	neither	"		
8564	"					8 00	increased	increased	no	B. of R. T.	yes
8565	yes	no					neither	neither	yes		
8566	"	"					"	"	"	no	
8567	"	"					increased	increased	"	B. of R. T.	yes
8568	no						neither	neither	"		
8569	yes	no					"	"	no		
8570	no					7 00	"	"	"	no	
8571	"						"	"	"		
8572	"						"	neither	"		
8573	"						"	"	yes		

* Does not say how much.

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
---	---	no	---	no	no	---	---	none	none	
---	---	no	no	---	yes	---	---	good	"	
---	---	"	---	---	"	---	---	"	"	
---	---	yes	---	---	"	---	---	fair	"	
---	---	no	no	no	"	---	---	none	"	
---	---	yes	---	---	"	---	---	fair	"	
---	---	"	yes	no	---	no	same	none	"	
---	---	no	no	---	yes	---	---	"	injured fingers	
---	---	---	---	---	no	yes	same	"	none	
---	---	no	---	---	"	yes	same	"	"	
---	---	yes	no	---	"	no	less	bad	"	
---	---	no	---	---	"	no	same	"	"	
---	---	yes	---	---	"	no	same	none	"	
---	---	"	---	---	"	---	---	"	"	
---	---	no	---	---	"	yes	same	good	"	{ Left native land when a child.
yes	yes	"	---	no	yes	---	---	bad	"	
---	---	"	---	---	no	---	---	none	"	
---	---	yes	yes	---	"	yes	same	"	"	
---	---	"	no	---	yes	no	---	"	"	
---	---	no	---	---	"	no	same	"	"	
---	---	"	---	---	"	yes	---	"	"	
---	---	yes	---	---	"	---	---	"	"	
---	---	no	---	---	"	---	---	"	"	
---	---	yes	---	---	yes	---	---	"	knee injured	
---	---	no	---	---	"	no	same	none	none	
---	---	"	---	---	yes	yes	same	"	"	
---	---	"	---	no	yes	no	fair	fair	"	
---	---	yes	---	---	no	no	none	none	"	
---	---	"	---	---	"	no	same	"	"	
---	---	yes	---	---	"	yes	same	"	"	
---	---	no	---	---	"	no	same	"	"	
---	---	yes	---	---	"	yes	less	"	"	
---	---	no	---	---	yes	no	same	fair	"	
---	---	no	---	---	"	"	---	none	"	
---	---	"	---	yes	---	---	---	"	"	
---	---	yes	---	---	no	---	---	good	"	
---	---	no	---	---	no	---	---	bad	"	
---	---	yes	---	---	---	---	---	"	"	
---	---	yes	---	no	yes	---	---	bad	none	
---	---	yes	no	---	"	yes	more	fair	none	
---	---	no	no	---	no	no	same	good	"	
---	---	"	no	---	"	yes	"	none	"	
---	---	yes	yes	yes	no	no	"	"	"	
---	---	no	yes	no	no	yes	"	"	"	
---	---	"	---	yes	yes	---	---	"	"	
---	---	"	no	---	no	yes	---	good	"	
---	---	"	---	---	"	---	---	none	"	
---	---	"	---	---	"	yes	---	good	"	
---	---	yes	---	---	"	yes	---	bad	lost a leg	
---	---	yes	yes	---	"	yes	same	none	none	
---	---	no	---	no	no	---	---	good	"	
---	---	"	no	---	"	---	---	none	"	
yes	yes	yes	yes	yes	yes	---	---	good	"	
---	---	no	no	no	no	yes	---	"	"	
---	---	yes	---	---	no	---	---	none	"	
---	---	"	---	---	"	---	---	"	"	
yes	yes	no	no	---	yes	---	---	none	"	
---	---	"	---	---	"	---	---	"	"	
---	---	"	---	---	"	---	---	good	"	
---	---	"	---	yes	---	---	---	"	"	
---	---	"	---	no	yes	---	---	"	"	
---	---	"	---	"	no	---	---	"	"	

TABLE No. 1.—Continued from page 179.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8574	no						neither		no	no	
8575											
8576						\$4 00		increased	yes		
8577						5 00					
8578	yes	\$800	7%	yes	mortgage						
8579	no							neither			
8580											
8581	no										
8582											
8583											
8584											
8585											
8586						3 00	neither	neither	no		
8587	yes	no									
8588		550	7%	yes	contract				yes		
8589	no										
8590	yes	300	7%	yes	contract						
8591		no					increased	increased			
8592							neither	neither			
8593											
8594	no									J. O. of A. M.	no
8595						9 00	increased	increased		no	
8596							neither				
8597	yes	500	7%	yes	contract					B. of R. T.	yes
8598	no					3 00	increased				
8599	yes	200	7%	yes	contract					no	
8600		40	6%								
8601		500	7%		mortgage					B. of R. T.	
8602		no					neither	neither	no		
8603	no					4 00					
8604						3 50					
8605											
8606											
8607											
8608										no	
8609										B. of R. T.	
8610										no	
8611	yes	no					neither	neither	yes		
8612	no					7 00					
8613											
8614						8 00					
8615						7 00			no		
8616						6 00					
8617	yes	800	6%	yes	contract		increased	increased			
8618		300	7%				neither		yes	B. of R. T.	
8619	no						increased	increased			
8620	yes	600	7%	yes	mortgage		neither			no	
8621		no						neither			
8622											
8623							increased	increased	yes		
8624							neither				
8625											
8626											
8627											
8628											
8629											
8630	yes	800	6%	yes	contract		increased	increased			
8631		300	7%				neither		yes	B. of R. T.	
8632	no						increased	increased			
8633	yes	600	7%	yes	mortgage		neither			no	
8634		no						neither			
8635											
8636							increased	increased	yes		
8637							neither				
8638										B. of R. T.	yes
8639	no					8 00		decreased	no	no	
8640	yes	no					increased	increased	yes		
8641	no					6 00	neither	decreased	no		
8642						5 00					
8643						8 00					
8644	yes	no						decreased			
8645									yes		
8646	no					9 00			no		
8647											
8648											
8649											
8650											
8651											
8652											
8653											
8654											
8655											
8656											
8657											
8658											
8659											
8660											
8661											
8662											
8663											
8664											
8665											
8666											
8667											
8668											
8669											
8670											
8671											
8672											
8673	no						neither	neither	yes	no	

Railways Employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	yes			good	none	
		"	"	"	no	yes	same	none	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	good	"	
		"	"	"	"	"	"	"	"	
		no	"	"	"	"	"	"	"	
		"	no	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		no	"	"	yes			good	"	
		yes	no	"	no			"	"	
		yes	"	"	yes			none	foot injured	
		no	"	"	no			good	none	
yes	yes	yes	yes	no	"	"	"	none	"	
		no	no	"	"	no	less	bad	"	
yes	yes	"	"	"	"	yes	same	none	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
yes	yes	yes	"	"	no	no	less	"	"	
"	"	no	"	"	yes	"	"	good	"	
"	"	"	"	"	"	"	"	"	"	
"	"	"	"	no	"	"	"	"	"	
yes	no	"	yes	"	"	yes	less	"	"	
		"	no	"	"	yes	same	"	"	
		yes	"	no	yes	yes	same	none	"	
		no	no	"	no	"	"	"	"	
		"	"	yes	yes	yes	same	good	"	
		yes	"	"	"	yes	same	"	"	
yes	no	"	yes	no	no	yes	same	"	"	
		"	"	"	no	"	"	"	"	
		yes	"	no	yes	"	"	none	"	
		"	no	no	no	yes	same	"	"	
		no	"	"	yes	"	"	good	"	
yes	yes	no	no	yes	"	"	"	"	"	
		no	"	no	"	"	"	"	"	
		yes	"	yes	"	"	"	"	"	
		no	"	no	no	"	"	none	"	
		yes	"	yes	yes	"	"	good	"	
		no	"	no	"	"	"	"	"	
		yes	"	yes	yes	yes	"	"	"	
		"	"	yes	no	"	"	"	"	
		"	"	"	no	"	"	"	"	
		yes	yes	no	no			bad	none	

TABLE No. 1.—Continued from page 181.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8674	no						neither	neither	yes	no	
8675	yes	no									
8676	no	\$500	7%	yes	contract	\$8 00	increased	increased	no	no	
8677	yes										
8678	no										
8679	"					5 50	neither	decreased	yes	"	
8680	"										
8681	"					6 00	increased	increased	no	"	
8682	yes	no									
8683	no					7 00	"	"	"	"	
8684	"						"	"	"	"	
8685	yes	200	8%		mortgage		"	"	yes	"	
8686	"	700	7%		contract		"	"	no	"	
8687	no						"	"	"	"	
8688	"					3 00	"	"	"	"	
8689	"					7 00	"	"	"	"	
8690											
8691	no					4 00	neither	decreased	"	"	
8692						10 00	"	neither	"	"	
8693						5 00	"	increased	yes	"	
8694	no					4 00	"	neither	no	"	
8695	yes	no					increased	increased	yes	"	
8696						6 00	neither	neither	"	"	
8697						6 00	increased	increased	no	"	
8698						4 00	neither	neither	"	"	
8699	yes	no					"	"	yes	no	
8700							"	"	"	"	
8701	no						"	"	"	"	
8702	yes	200	6%	yes	mortgage		"	increased	"	"	
8703						8 00	increased	"	no	"	
8704	yes	no					"	"	"	"	
8705							neither	neither	yes	"	
8706	no									"	
8707						4 00	neither	"	no	"	
8708	yes	no					neither	neither	yes	"	
8709							neither	"	no	"	
8710	yes	1,000	10%	yes			neither	"	yes	"	
8711	no						neither	neither	yes	"	
8712	yes	450	7%	yes	mortgage		"	"	"	"	
8713	"	280	7%	"	contract		increased	increased	"	B. of R. T.	yes
8714	"	no				4 50	neither	neither	no	no	
8715								neither	yes	"	
8716	yes	50	7%	yes	contract		increased	"	yes	"	
8717		1,000	7%	"	mortgage		neither	neither	no	"	
8718	no					5 00	increased	increased	"	"	
8719	"						neither	"	"	"	
8720	"					5 00	"	neither	"	"	
8721	yes	600	7%	yes	contract		increased	neither	yes	"	
8722		200	7%	"	"		"	increased	"	"	
8723	no					10 00	"	"	"	"	
8724	"					2 25	increased	"	"	"	
8725	"						neither	"	"	"	
8726	yes	700	7%	yes	contract		increased	increased	"	"	
8727	"	no				7 00	neither	neither	"	"	
8728	yes	100	5%	yes	contract		increased	increased	"	"	
8729	"	100	7%	"	"		"	"	"	"	

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no	yes	less	bad	none	
		"	"	"	yes	"	"	good	"	
		"	no	no	yes	yes	same	none	"	
		"	"	yes	"	"	"	bad	"	
		"	"	"	"	"	"	good	"	
		yes	"	"	no	"	"	"	"	
		no	yes	"	yes	"	"	none	"	
		"	no	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		"	"	"	"	"	"	"	"	
		yes	no	no	yes	"	"	good	"	
		"	yes	"	"	"	"	"	"	
		"	no	"	"	"	"	"	"	
		no	"	"	"	"	"	none	"	
		"	"	"	"	"	"	"	"	
		yes	"	"	no	yes	no	bad	"	
		no	"	"	yes	"	same	none	"	
		"	"	"	"	yes	same	"	none	pinched finger
		"	"	"	"	"	"	"	none	"
		yes	"	"	"	"	"	"	"	"
		"	"	"	"	"	"	"	"	"
		no	"	"	yes	same	"	"	"	"
		yes	"	no	no	"	"	"	"	"
		"	"	"	yes	"	"	"	none	cut leg
		no	no	"	no	yes	same	bad	cut leg	"
		"	no	"	no	"	"	none	none	"
		"	"	"	"	"	"	"	"	"
		no	no	"	yes	same	good	good	"	"
yes		"	no	no	no	"	"	none	hurt hand	"
		yes	no	no	yes	"	"	good	none	"
		no	"	"	"	"	"	"	"	"
		yes	no	"	"	yes	less	"	"	"
		no	"	"	no	"	same	none	cut finger	"
		"	no	yes	"	"	"	"	none	"
		"	"	"	"	"	"	good	"	"
		"	"	"	"	yes	same	"	"	"
		yes	"	"	no	no	same	none	"	"
		no	"	"	"	yes	less	"	"	"
		"	"	"	"	"	"	"	"	"
		yes	yes	"	"	yes	same	"	"	"
		no	no	"	"	yes	same	"	"	"
		"	"	"	"	no	less	"	"	"
		"	"	"	"	"	"	"	"	"
		no	no	"	yes	same	"	"	"	"
		"	"	"	"	"	"	"	"	"
		"	"	"	yes	no	"	"	"	"
		yes	"	"	"	yes	same	"	"	"
		no	"	"	"	"	"	"	"	"
		yes	"	"	yes	no	less	"	"	"
		"	"	"	"	"	"	"	"	"
		no	no	"	yes	same	"	"	"	"
		"	"	"	"	"	"	"	"	"
		"	"	"	yes	no	"	"	"	"
		yes	"	"	"	yes	same	"	"	"
		no	"	"	"	"	"	"	"	"
		yes	"	"	yes	"	less	"	"	"
		"	"	"	yes	"	"	"	"	"
		yes	"	"	yes	"	"	"	"	"

Refuses to state wages

TABLE No. 1.—Continued from page 183.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8796	yes	no				\$7 00	increased	increased	no	no	-----
8797	no						"	"	"	"	-----
8798	yes	\$400	7%	yes	contract	6 00	neither	"	yes	"	-----
8799	no					6 75	increased	increased	no	"	-----
8800	no						neither	neither	yes	"	-----
8801	yes						increased	increased	yes	"	-----
8802	no					6 00	"	"	"	no	-----
8803	no						increased	increased	no	"	-----
8804	no					9 00	"	"	yes	"	-----
8805	yes	"					"	"	no	"	-----
8806	no					10 00	neither	neither	yes	"	-----
8807	yes	"				10 00	increased	increased	no	"	-----
8808	no						neither	neither	yes	"	-----
8809	yes	"					increased	increased	no	"	-----
8810	no					10 00	"	"	yes	"	-----
8811	yes	no					neither	neither	no	"	-----
8812	no					10 00	increased	increased	yes	"	-----
8813	yes						neither	neither	no	"	-----
8814	no						"	"	yes	"	-----
8815	yes						increased	increased	"	"	-----
8816	no						"	"	"	"	-----
8817	yes	no					neither	neither	"	"	-----
8818	no						increased	increased	"	"	-----
8819	yes	"				6 00	"	"	"	"	-----
8820	no						increased	increased	"	"	-----
8821	yes	no					"	"	"	"	-----
8822	no					8 50	neither	neither	"	"	-----
8823	yes						increased	increased	"	"	-----
8824	no						"	"	"	"	-----
8825	yes					10 00	neither	neither	"	"	-----
8826	no						increased	increased	"	"	-----
8827	yes	no					"	"	"	"	-----
8828	no						increased	increased	"	"	-----
8829	yes	50	7%	yes	mortgage		"	"	"	"	-----
8830	no						neither	"	"	"	-----
8831	yes						"	increased	"	"	-----
8832	no					6 00	increased	increased	no	"	-----
8833	yes	no					"	"	"	"	-----
8834	no					7 00	"	"	"	"	-----
8835	yes					7 00	"	"	"	"	-----
8836	no					7 00	"	"	"	"	-----
8837	yes	no					increased	increased	no	"	-----
8838	no						"	"	"	"	-----
8839	yes	900	7%	yes	contract		neither	neither	no	"	-----
8840	no						increased	increased	yes	"	-----
8841	yes	600	7%	yes	contract		neither	"	"	"	-----
8842	no	400	7%	yes	mortgage		neither	"	no	"	-----
8843	yes					4 00	increased	"	yes	"	-----
8844	no					7 50	neither	"	no	"	-----
8845	yes	no					increased	"	yes	"	-----
8846	no					5 75	"	"	"	"	-----
8847	yes	400	7%	yes	contract		neither	neither	"	"	-----
8848	no					8 50	"	"	"	"	-----
8849	yes	no					increased	increased	no	"	-----
8850	no					8 00	increased	increased	yes	"	-----
8851	yes	no					"	"	"	"	-----
8852	no						"	"	"	"	-----
8853	yes	600	7%	yes	mortgage		"	"	"	"	-----
8854	no	1,200	6%	"	"		"	"	"	"	-----
8855	yes						"	"	"	"	-----
8856	no						"	"	"	"	-----

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurances.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		yes	no	no	yes	yes	less	none	none	
		no	"	"	no	"	same	"	"	
		yes	"	"	yes	no	less	bad	"	
		no	"	"	no	"	good	good	sprained ankle	
				no	yes	"		none	none	
		no	no		yes	yes	same	good	none	
		yes	"	no	yes	"		none	"	
		no	"	"	no	"		"	"	
		yes	"	"	yes	"		"	"	
		"	yes	"	no	"		good	foot jammed	
		"	no	"	yes	"		"	none	
		"	"	"	"	"		none	"	
		no	"	"	no	"		"	"	
no	yes	"	"	"	yes	"		"	"	
yes		yes	yes	"	no	"		"	"	{ Left native land at
		no	no	"	yes	"		good	"	{ 4 years of age.
		yes	no	"	"	"		none	"	
		no	yes	"	no	yes	same	"	"	
		"	"	"	yes	no	"	"	"	
		"	"	"	"	"		"	"	
		yes	"	"	yes	yes	same	"	"	
		no	"	"	no	"		"	"	
		yes	"	"	yes	yes	same	bad	"	
		no	"	"	yes	no	none	none	"	
		yes	"	"	"	yes	less	"	"	
		no	"	"	"	"		"	"	
		yes	"	"	"	"		good	"	
		"	"	"	"	"		"	"	
		yes	yes	"	no	"		"	displaced knee cap	
		no	no	"	yes	"		"	none	
		"	"	"	no	"		"	"	
		yes	yes	"	yes	"		"	hand broken	
		no	no	"	no	"		"	none	
		"	"	"	yes	"		fair	"	{ Left native land
		"	"	"	no	"		none	"	{ when a child.
		"	"	no	yes	yes	same	"	"	
		"	"	"	no	"		"	"	
		yes	yes	"	yes	"		good	"	
		no	"	"	"	no	less	bad	both hands smashed	{ Left native land at
		yes	"	"	no	"	same	none	none	{ the age of 3 years.
		yes	"	"	no	"	"	"	"	
		no	"	"	yes	yes	same	"	"	
		yes	"	"	no	"		"	"	
		no	no	"	yes	no		good	"	
		yes	"	no	no	yes	less	"	"	
		"	yes	"	yes	"	same	none	fair	
		"	no	"	"	yes	less	none	none	
		no	"	"	no	"	same	"	"	

TABLE No. 1.—Continued from page 185.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
8938	no						neither	neither	yes	no	
8939	"						"	increased	"	"	
8940	yes	no					increased	"	"	"	
8941	no						"	"	"	"	
8942	"						neither	"	"	"	
8943	"						"	"	"	"	
8944	yes	\$450	7%	yes	contract	\$7 00	increased	neither	"	B. of R. T.	yes
8945	no						neither	increased	"	no	
9058	"						increased	"	"	"	
9059	"						"	"	"	"	
9060	"						"	"	"	"	
9061	"					5 00	"	"	"	"	
9062	"						"	"	"	"	
9063	"					10 00	neither	"	"	"	
9064	yes	no					increased	"	"	"	
9065	no					10 00	neither	neither	"	"	
9066	"					10 00	"	"	"	"	
9067	"						"	increased	"	"	
9068	"						"	"	"	"	
9069	yes	no					increased	"	"	"	
9070	no					10 00	neither	"	"	"	
9071	yes	no					increased	neither	no	"	
9072	"	"					increased	increased	yes	"	
9073	"						"	"	"	"	
9074	yes	250	7%	yes	mortgage		neither	neither	no	"	
9075	no					9 00	"	"	"	"	
9076	yes	250	7%		contract		neither	"	"	"	
9077	yes	600	7%	yes	"		increased	increased	yes	"	
9078	no						neither	neither	"	"	
9079	yes	200	7%	yes	mortgage		"	"	no	"	
9080	"	600	6½%		"		"	increased	"	"	
9081	no						"	"	"	"	
9082	"						"	neither	"	"	
9083	"						"	"	"	"	
9084	"					15 00	"	increased	yes	"	
9085	"						neither	neither	"	"	
9086	yes	300	6%	yes	mortgage		increased	increased	"	"	
9087	no						neither	neither	"	"	
9088	"						"	"	"	"	
9089	"					4 00	"	"	"	"	
9090	"					11 50	increased	increased	"	"	
9091	yes	600	7%	yes	mortgage		"	"	"	"	
9092	"	no					"	"	"	"	
9093	no					40 00	"	"	"	"	
9094	yes	no					neither	neither	"	"	
9095	"						"	"	"	"	
9096	yes	1,000	7%	yes	mortgage		neither	decreased	yes	"	
9097	"	no					"	"	"	"	
9098	"	"					increased	increased	"	"	
9099	no					10 00	neither	neither	"	"	
9100	yes	no					"	"	"	"	
9101	no						"	neither	"	"	
9102	yes	no					"	"	"	"	
9103	"	"					decreased	increased	"	"	
9104	"	"					neither	"	"	"	
9105	"	yes*					increased	"	"	"	
9106	"					8 00	"	"	"	"	
9107	no						"	"	"	"	
9108	yes	yes*	7%	yes	contract		neither	neither	"	"	
9109	no						"	"	"	"	
9110	yes	no					"	neither	"	"	
9111	"	"					"	"	"	"	
9112	no						increased	increased	"	no	
9113	"					10 00	neither	neither	no	"	
9114	"						"	increased	yes	"	
9115	"					18 00	"	neither	"	"	

* Does not say how much.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General Remarks.
		no	no	no	no			none	none	
		"	yes	"	yes			"	"	
		yes	"	"	"	yes	same	"	"	
yes	yes	no	no	"	no	yes	same	"	"	
		"	yes	"	"	"	less	"	"	
		"	no	"	"	"	same	"	"	
		yes	"	"	"	"	"	"	"	
		no	yes	"	"	yes	"	"	"	
		"	"	"	"	"	less	"	lost thumb none	
		yes	"	"	"	yes	same	"	"	
		no	"	"	"	"	less	"	"	
		"	"	"	yes	"	"	"	"	
		yes	"	"	no	yes	less	"	bad	
		"	"	"	yes	"	"	"	good	
		yes	"	"	no	yes	same	"	none	
		no	"	"	no	yes	"	"	good	
		yes	no	"	same	less	"	none	"	
		no	yes	no	yes	yes	same	"	"	
		"	no	"	yes	"	same	"	"	
		yes	"	"	no	yes	same	"	"	
		no	"	"	yes	"	"	"	"	
		yes	no	"	no	"	"	"	"	
		no	"	"	"	"	"	"	"	
		"	no	"	yes	yes	same	"	lost two fingers none	
		"	"	"	yes	no	less	"	"	
		"	yes	"	"	yes	same	"	"	
		"	no	"	"	yes	"	"	leg injured none	
		yes	yes	"	yes	yes	same	"	"	
		"	"	"	"	"	"	none	"	
		"	"	"	"	"	"	"	"	
		no	yes	no	no	"	"	"	"	
		yes	no	"	"	"	"	good	"	
		"	yes	"	"	"	"	none	"	
		"	no	"	"	"	"	"	"	
		"	yes	"	"	"	"	good	"	
		"	no	"	"	"	"	bad	"	
		"	yes	"	"	"	"	none	"	
		"	"	"	"	"	"	none	"	
		yes	no	"	"	"	"	good	"	
		"	no	"	"	"	"	"	"	
		no	yes	no	"	"	"	"	"	
		yes	"	"	"	"	less	"	"	
		no	"	"	"	yes	same	"	"	
		yes	yes	"	"	"	"	good	"	
		no	yes	"	"	"	"	"	"	
		yes	no	"	no	"	"	good	"	
		yes	"	"	"	"	"	none	"	

TABLE No. 1.—Continued from page 187.—

Line number.	Do you own your home.	Is it incumbered, if so, how much.	Rate of interest on incumbrance.	Do you meet payments when due.	Is incumbrance in form of mortgage or contract.	Amount paid per month for rent.	Has cost of living increased or decreased during past year.	Has cost of living increased or decreased during past five years.	Can you earn more than actual necessities for yourself and family.	Do you belong to a labor organization, if so, what.	Does it help to increase wages.
9116	yes	no					neither	increased	yes		
9117		no					neither	neither	yes	no	
9118	no					\$10 00					
9119	no					10 00	increased	increased	no		
9120	no					20 00		neither	yes		
9121	yes	no					neither		yes		
9122						13 00	increased				
9123	yes	no									
9124	no						neither	increased			
9125								neither			
9126	no					10 00	increased	increased	no		
9127						15 00					
9128	yes	\$1100	7%	yes	contract		neither		yes	no	
9129	no										
9130	yes	no					neither	increased			
9131							increased				
9132						9 00	neither	neither			
9133	no										
9134								neither			
9135								increased	yes		
9136	yes	no						neither			
9137											
9138	no							increased			
9139							increased				
9140							neither				
9141	yes	180	7%	yes	mortgage		increased				
9142	no					8 50	increased				
9143							neither				
9144	yes	300	7%		contract		increased	neither			
9145		300	7%	yes				increased			
9146	no						neither	increased			
9147	yes	no					increased				
9148	no					6 00					
9149						4 00					
9170	yes	no					neither				
9171											
9172	no							neither			
9173	yes	550	7%	yes	mortgage			increased			
9174	no						increased	increased			
9175							neither	neither			
9176								increased			
9177								neither			
9178								increased			
9179								neither			
9180						2 25					
9181											
9182								increased			
9183						12 00		neither			
9184											
9185											
9186	yes	no									
9187		300	6%	yes	mortgage						
9188											
9189	no					5 50	increased	increased	yes		
9190	yes	no					neither				
9191							increased		no		
9192	no					3 00			yes		
9198						8 00					
9194											
9195											
9199							neither	neither	yes		
9200							increased				
9201							neither	increased			
9202						9 00					
9203							increased	increased			
9204							neither				

Railway employes.

Does it contain a death benefit.	Does it contain a sick benefit.	Have you other life insurance.	Have you other accident insurance.	Are apprentices employed in your occupation.	Does immigration injure your occupation.	Are conditions better for saving money here than in your native land.	Are laboring men more or less economical here than in your native land.	Effect of your present occupation on your health.	What accidents, if any, have you met with since you have been engaged in your present occupation.	General remarks.
		no	no	no	no			none	none	
		yes			yes			good	"	
		yes			yes			good	"	
		yes	no	no	no			bad	"	{ Left native land at age of 5 years.
		"	yes	"	yes			none	"	
		no	no		"			good	"	
		"	no	no	"			"	"	
		"	no	no	"			none	"	
		yes	yes	no	no			good	"	
		"	no	"	"			good	"	
		"	no	"	"	no	less	good	"	
		no	no		yes			none	"	
		yes	no	no	no			"	"	
		no	no	no	yes			good	"	{ Left native land when a child.
		"	no	no	no			fair	"	
		yes	no	"	"			none	"	
		no	"	"	"			"	"	
		yes	yes	"	"			"	"	
		no	no	"	yes	yes	same	"	"	
		yes	yes	"	no	no	less	"	"	
		"	no	"	"	no	same	"	"	
		"	"	"	"	"	"	"	"	
		no	yes	"	yes	no	same	"	leg broken 2 years ago	
		yes	no	"	no	yes	"	"	none	
		no	"	"	"	no	"	"	"	
		yes	"	"	"	yes	"	"	"	
		no	"	"	"	yes	"	"	"	
		"	"	"	yes	no	same	"	"	
		"	"	"	no	yes	"	"	"	
		yes	"	"	"			good	"	
		no	"	"	"			none	"	
		"	no	"	"			"	"	
		"	"	"	"	yes	same	"	"	
		yes	"	"	"			"	"	
		no	"	"	yes			"	"	
		"	"	"	no			good	"	
		yes	no	"	"			none	"	
		yes	"	no	yes			good	"	
		no	"	"	"	yes	less	bad	"	
		yes	"	"	yes			none	"	
		no	"	"	"			"	"	
		"	"	"	"	yes	less	good	"	
		"	"	"	yes	no	same	"	"	
		"	no	"	yes	"	"	none	"	
		"	no	no	no			"	"	
		"	"	"	yes			"	"	
		"	"	"	no			"	"	

GENERAL REMARKS.

The remarks which follow contain the language and sentiments of individuals from every part of the State, and from every grade of railway employ  s. They give an insight into the thoughts and aspirations of individuals not to be gained from abstract tables and columns of figures. No grand division of labor presents such a great diversity of sentiment and condition as the railway service. Few grades of manual labor are so poorly paid as the sectionmen, and very few receive better compensation and better treatment than the upper grades in train and office service.

The attention of the reader is called to the replies on the immigration question. Strange as it may seem, the most positive denunciation of our present system comes from those who themselves have been benefited by it—the foreign born citizens. Another noticeable feature is the deep impression made upon the mind of the average laboring man by the troubles at Homestead during the summer of 1892 and since. Apparently language cannot be framed too bitter to express the disgust and abhorrence in which Pinkerton's men are held by the organized labor of this country.

The published language is literal except in a few cases where the remarks taken separately from the answer upon the same schedule would not convey the meaning which apparently was intended. An effort also has been made to avoid too much repetition of the same sentiment. Aside from this, these remarks are submitted without editing, without selection, and without apology. They are exactly what they profess to be, the expressed thoughts and hopes of the members of one of the most numerous and most intelligent of the laboring classes of the country:

Many trainmen on exclusive lumber roads have no work during the winter. Some of them find employment in the machine shops, but many go to the woods.

No. 186 is an agent on the M. & N. E. and complains: "It will be noticed that the pay for this particular profession is about the same as common work on farms, in mills, etc., no overtime being allowed."

No. 198 would say that "paying once in thirty days and keeping back fifteen days is not fair. Trust you will look this matter over carefully and see if through your bureau it cannot be brought before the people. Its effect can readily be seen by any intelligent person who has it to contend with."

No. 589, agent on F. & P. M. "\$2 per year is held for bonds by railroad company, and \$3.40 by the express company for the same purpose. A certain portion of premium for express bond being repaid at the close of year."

No. 636. "A young man who aspires to fame and fortune on his own merits is usually disappointed. A good friend, or a mouth capable of making one, is what takes better and meets with more success."

No. 639. "Regulate immigration by all means, to the end that it is detrimental to all true American citizens."

No. 643. A clerk: "Men in train service receive much better wages, all things considered, than office help."

No. 717. A Canadian car repairer: "Too many cheap men from foreign countries, knocks down wages; for wages here seem big to them, and it crowds out we citizens of America. It should be stopped in a measure."

No. 736. An Englishman: "Cheap labor from foreign countries brings us down to hard times."

No. 764. "Never have seen machinists trade so dull as it is at present. Most all shops are working on short hours."

No. 816. English brassmoulder: "I have three boys at work and I can save about half of what they give me. I was nearly fifteen years paying for the farm I own. It took my entire savings for that whole time. There are no apprentices as I understand the

term. Boys are set to work and kept as long as they will work for small wages. They are then discharged and others taken in."

No. 846. Saginaw, switchman: "I would consider it a great favor if you would kindly take the duty off eggs and butter, as store keepers and monopolists are taking undue advantage of the McKinley bill by buying all of them up and so make it impossible for the workingman to live cheap."

No. 980. "I think if a man takes care of his family and keeps out of debt working for common wages, he is doing pretty well these times."

No. 989. "I think some of these questions are too leading, so I forgot to answer them." German laborer, Buena Vista.

No. 1282. Baggage man: "Worked here for eighteen years at above occupation. Have not lost a day by sickness or anything else. *Everything is satisfactory* as far as I know. This man earns \$35 a month and supports a family of nine."

No. 1083. "I think it would improve the times to raise laboring men's wages."

No. 1289. "I would not be able to live upon wages received if I did not make something outside."

No. 1291. Agent, C. & W. M.: "Been at this place and office twenty-one years. Never lost a day by sickness or otherwise."

No. 1296. Agent, C. & W. M.: "I go on duty with first train about 4:30 a. m. Have to stay up until all are gone. If they are late I often have to stay up until 10 or 11 p. m. Often have to get up for night trains."

No. 1303. Agent, C. & W. M.: "I cannot see any good in this (schedule of questions) for the laboring man, but hope it may bring good results. Hope it may prove of interest to employes and the people generally."

No. 1306. Agent, C. & W. M.: "Have been constantly in this service for the past eleven years. Have no cause for complaint. I think labor organizers a detriment to laborers."

No. 1307. Agent, C. & W. M.: "I have a small business of my own which I work in connection with my railroad duties in order to make a living."

No. 1309. Station agent. Earns \$40 a month: "Considering expense we are to to learn our business, I think the salary is hardly sufficient."

No. 1310. Agent, C. & W. M.: "These railroad companies do not, as a rule, furnish agents with enough help."

No. 1350. "I think republican party could better matters."

No. 1616. American trackman, C. & W. M.: "Why does the railroad company not pay wages in full every time payment is made? Would rather have pay days the 15th and 30th of each month."

No. 1634 managed to save \$100 last year, but the rest of the section crew boarded with him and he thinks the greater part of it came from their board.

No. 1773. "I cannot see the good of all this. The State government does not legislate to help laborers but still stands ready to pry into their private affairs in this free land, but let the country be filled up with anything except John Chinamen."

No. 1817. Engineer: "Immigration does not injure my present occupation, but in case of a change it would to an extent of forty per cent."

No. 1891. Timekeeper. "Immigration does not affect my present occupation but in the event of a change it certainly would. The labor market is overstocked and immigration has done it. I am decidedly in favor of placing further restrictions upon this thing, and that right away."

No. 1977. Agent, C. J. & M.: Speaking of the Order of Railway Telegraphers says: "The O. of R. T. is one of the finest labor organizations in America. It has secured an increase of \$5 per month on the B. & O.; \$7.50 on the Missouri Pacific, Southern Pacific, Toledo, St. Louis & Kansas City, Santa Fe, the Monon Route, and numerous other roads. It is an actual necessity for railroad telegraphers."

No. 2033. Sectionman, C. J. & M.: "I think the wages of section men are entirely too low according to present prices."

No. 2037. Conductor, D. S. S. & A.: "Would like to see all cars equipped with automatic couplers and air brakes."

No. 2041. Conductor, D. S. S. & A., Irish: "I would suggest that the sooner immigration is stopped the better it would be for the laboring class."

No. 2052. Conductor, D. S. S. & A.: "Would like to see Dago labor put a stop to in this country."

No. 2067. Engineer, Canadian, D. S. S. & A. "I consider if President's term were eight years instead of four, it would benefit the country. I would stop Canadian, European, Asiatic and African immigration."

No. 2070. Engineer, D. S. S. & A.: "Would like to see hours of labor reduced to eight."

No. 2086. American engineer, D. S. S. & A.: "Stop immigration so the poor laboring class (American citizens) can get work enough to support their families."

No. 2087. Irish engineer, D. S. S. & A.: "I would suggest more restriction on immigration. It would help us out in a way of getting better wages and more demand for labor."

No. 2088. Engineer, D. S. S. & A.: "Try to adopt laws that will compel Carnegie's and such concerns to settle their grievances by arbitration."

No. 2095. Irish engineer, D. S. S. & A.: "To prevent Americans from starving, try restriction on immigration. It certainly is killing America."

No. 2121. Irish fireman on the D. S. S. & A.: "Would recommend fewer general elections. It would be better to distribute the cost among the poor; also stop immigration for thirty-two years. Give government assistance to organized labor."

No. 2123. Fireman, D. S. S. & A.: "Would like to see eight hours a day's work."

No. 2124. "Fireman, D. S. S. & A.: "Would like to see immigration restricted to about 1,000 a year."

No. 2125. "Immigration should be stopped."

No. 2131. "Only passenger trains should be run on Sunday."

No. 2137. "Adopt laws that will favor the laboring class and put more restrictions on monopolists, such as Carnegie."

No. 2338. Clerk, D. S. S. & A., Marquette: "I wish times were good."

No. 2340. Clerk, D. S. S. & A.: "Please explain why you ask me such questions as these. Some of them are decidedly pointed."

No. 2349. Irish freight checker, St. Ignace: "Would like to see immigration suppressed entirely."

No. 2407. French car repairer, Houghton: "The present laws seem to have been made for the assistance of moneyed men and to the detriment of organized labor."

No. 2475. English machinist: "Would like to see eight hours constitute a day's work and all immigration to this State stopped."

No. 2646. Wiper, St. Ignace: "Stop immigration."

No. 2562. German switchman, Negaunee: "There should be more restriction on capitalists, especially such concerns as Carnegie's Homestead."

No. 2679. Sectionman, St. Ignace: "Would like to work only eight hours a day."

No. 2712. Sectionman, Houghton, Scandinavian: "Would like to see judges and prominent papers less opposed to the reasonable demands of the laboring class."

No. 2713. Swedish sectionman, Houghton: "Eight in family makes twenty four meals per day or 720 meals a month. Wages \$32 per month, less \$7 for rent, leaves \$25 a month; so meals must not cost over three and one-half cents each. No books, no clothes, no wood, no coal, no beer."

No. 2742. Swedish sectionman, Negaunee: "This country is becoming so overflooded with the poor laboring class from foreign countries that immigration will start the other way soon."

No. 2751. Swedish sectionman, Summit: "I hope the day is not far distant when Pinkertonism will be abolished along with such overbearing concerns as Carnegie's."

No. 2752. Finlander, sectionman, Summit: "Pugilism is more honest than Pinkertonism."

No. 2754. Swedish trackman, Summit: "Not until the laboring class is recognized will there be laws adopted in favor of them."

No. 2855. Irish pocket runner, Marquette: "Such wrongs as occurred in the cases of engineers on the T., A. A. & N. M. railway against the laborers should be prevented by adopting humane laws and allowing less bribery."

No. 2181. Brakeman on D., S. S. & A.: "Would like to see wages better and automatic couplings and air brakes."

No. 2182. Brakeman, Marquette, wants to stop all foreign immigration.

No. 2184. Brakeman, Marquette: "If immigration was checked and the eight hour problem brought to the front, the laboring class could have better success."

No. 2186. Marquette brakeman, German: "I would like to see the standard laboring day eight hours."

No. 2189. Brakeman at Champion, French, says: "Put some restriction on immigration."

No. 2196. American brakeman, Houghton, says: "Do away with Pinkertonism, Carnegieism, also partial laws that are made to assist monopolists and grind down the laborer."

No. 2197. Duluth, Canadian brakeman, says: "Stop immigration and give employment to American citizens only. Hang Frick and Carnegie by the toes until they become civilized. Just what they have stolen from the laboring class in six months would make a millionaire."

No. 2198. American brakeman, D., S. S. & A.: "Chase the Dagos back to Italy and give honest Americans a chance to support their families."

No. 2231. Irish brakeman, Marquette: "Have corporations recognize organized labor and put down Pinkertonism. This I think would benefit the country."

No. 2232. English brakeman, Marquette: "Am in favor of restriction of immigration for the benefit of all classes of labor."

No. 2264. Agent, D., S. S. & A., Canadian: "Stop immigration. Give our own men a show. Between 8,000 and 10,000 miners in this section of the country are now out of work. Most of these are foreigners. Had they not been here 8,000 Americans would have been in their places. Over production would not have been so liable to occur and probably 8,000 of our men would still be at work."

No. 2283. Operator at Humboldt: "Stop immigration. Able bodied American men are compelled to pick berries at two to three cents a quart and make possibly 60 cents a day. Account of too many foreigners here now."

No. 2284. Operator, D., S. S. & A.: "The general tendency in all railroad work is to increase amount of work and lessen salaries."

No. 2302. Billing clerk, D. S. S. & A.: "Would like to go to work at 7:30 a. m., have one and one-half hours for dinner, and quit at 5 o'clock."

No. 2396. American tankman, Houghton: "In order to assist the laborer of this country prevent Pinkertons from employing scabs and thugs. This will be a means of destroying their business which is a disgrace to America."

No. 2940. Engine dispatcher, Scotch, Marquette: "Railway employes should have an eight hour day."

No. 2943. American fireman, Marquette: "Immigration should be restricted. If it is not, five years from now an American citizen will be unable to get work."

No. 3129. American station agent, G. R. & I. Earns \$50 a month, saved \$175 and owns home. He says: "By being very economical, we managed to buy a horse and carriage, hoping to benefit my health by taking frequent drives and get fresh air."

No. 3133: "Operators as a rule work a great deal of overtime for which no road in this State pays anything."

No. 3136. Station agent, G. R. & I.: "The man is a fool who learns this business at present. After he has followed railroading for a while he is good for nothing else. I have been at it for twenty years but have done a great deal of outside business and am fairly well off, but did not make my money out of the railroad."

No. 3138. "Think O. of R. T. is increasing operators' wages."

No. 3184. Irish clerk in the G. R. & I. Auditor's office, Grand Rapids: "Such positions as mine in Ireland are reserved for the educated sons of rich men; those who have a 'pull.'"

No. 3231. Bill clerk, Kalamazoo: "I am satisfied with wages paid but believe that office men should be paid overtime the same as trainmen."

No. 3278. Baggage man, G. R. & I. Earns \$40 a month, says: "I have paid this year about \$150 of debt accumulated last year on account of sickness. I am not so tough as I was seven years ago nor do not weigh so much within thirty pounds."

No. 3455. G. R. & I. targetman at Kalamazoo wants more pay and shorter hours.

No. 3491. Section foreman on G. R. & I. has hard work to make payments on home.

No. 3501. German foreman on G. R. & I. is satisfied with present wages but wants pay for overtime and thinks ten hours should constitute a day's work.

No. 3534. Irish sectionman, G. R. & I.: "Sectionmen are a most abused class and are paid starvation wages."

No. 3740. Agent S. T. & H. says: "Railroad agents have too much care and responsibility for the wages they receive. In reality several occupations are classed under one head, with the cares of all."

No. 3912. Brakeman, Bessemer: "Times never looked so blue as they have since Cleveland was elected. I suppose we will have hard times for the next four years."

No. 3834. Station Agent, C. & N. W.: "Business is very dull at present on account of stringency in money market and no sales for lumber."

No. 3850. Clerk at Iron Mountain: "The absolute necessities of life cost more here than luxuries in lower Michigan."

No. 4031. Brakeman on Soo Line says: "Am a native and think Roundheads and Cannucks have got the state spoiled. There are too many of them to fill good men's places. Why not export them the same as Chinamen. Then things would be all O.K."

No. 4086. Station agent, C. C. C. & St. L. says: "Tramps are of late on the increase."

No. 4127. Car cleaner, C. C. C. & St. L. says: "I have been receiving a pension of six dollars a month up to this time, have just been 'Hoked' out of it."

No. 4141. Conductor T., S. S. & A., earns \$70 a month and says: "I am satisfied with present wages."

No. 4146. Conductor T., A. A. & N. M., earns \$75 a month, gets no overtime, says: "I have no cause to complain of labor or wages."

No. 4250. Canadian ticket agent on T., A. A. & N. M., says: "Nothing to say. No use saying anything, would not help me out any."

No. 4282. Train dispatcher T., A. A. & N. M., says: "If some of the old 'job-jots' would loosen up their money-bags, I think times would be better."

No. 4296. Telegraph operator, Copemish, says: "Every farmer's 'kid' wants to learn telegraphing because he thinks it is a 'snap'."

No. 4355. Section hand on T., A. A. & N. M., says: "Could not have bought a home were it not for the reason that I am a soldier and get a pension."

No. 4411. Engineer, D., L. & N., says: "I think one dollar will go as far now as it did a year ago. Last winter coal was high and meat cost more."

No. 4481. Agent and telegraph operator, on D., L. & N., says: "There are too many students in this business. This station should pay fifty to sixty dollars a month instead of thirty-two. That is the rate of wages paid in the west. I worked eight years in Colorado. Seventy-five dollars is the least paid there to operators and agents."

No. 4482. Agent on D., L. & N., says: "I run a farm in connection with the station."

No. 4640. Blacksmith at Ionia, complains of poor light and poor ventilation in the blacksmith shop.

No. 4908. Agent on the L. S. & M. S., says: "Times are about the same for the last few years in our business, except that rather more work is expected from the men."

No. 4931. Agent, on L. S. & M. S., says: "No operator should work over eight hours per day without extra pay, as the business is killing. You never see an old man in this line of service. Most of them die before they get gray."

No. 5031. Station baggage man, L. S. & M. S., says: "I work 14 hours a day and am paid \$30 a month. The company requires me to buy two uniform suits a year."

No. 5032. Baggage man, L. S. & M. S. Six in family: "It is hard work to live like Americans on thirty-five dollars a month."

No. 5048. American baggageman, on L. S. & M. S.: "Immigration is paralyzing this country."

No. 5210. Section foreman, L. S. & M. S., says: "Worked as laborer 10 years, have just been promoted."

No. 5217. Section foreman, on L. S. & M. S., says: "Sectionmen receive \$1.10 per day. None of them own homes and most of them have large families. They can hardly earn enough for the necessities of life."

No. 5218. Sectionman, L. S. & M. S., gets \$46 per month. Says: "I have worked for railroad 21 years, and am worth only \$500 a year to them. I am no better off than when I commenced, and have to work just as hard as at the beginning."

No. 5316. Laborer, L. S. & M. S., says: "Have worked on this road 36 years, and am no better off than when I began."

No. 5719. American clerk, Grand Trunk, Saginaw: "If immigration to this country is to be kept up as it has been for the last ten years, I hope congress will put an end to it at the special session called by the president for August, but I am of the opinion that a democratic majority will never do it, but that it will have to be done by the republicans as the democratic party is composed mostly of foreigners."

No. 5773. Freight clerk of Grand Trunk. American: "Immigration is the root of all evil. The price of labor is governed by supply and demand. Immigration causes an over supply."

No. 5774. Freight clerk, on Grand Trunk. Has worked continually since 1880 with only one week's vacation in the whole time. Has not lost a day from sickness in 13 years.

No. 6150. Track laborer, of Grand Trunk, at Battle Creek. Earns \$1.10 a day, and is single. Says: "It is impossible to save money on the starvation wages paid to trackmen."

No. 6170. Section foreman, Grand Trunk. Irish. Says: "The rich are getting richer and the poor are getting poorer. The poor man is not protected. After a life of toil he drops into the grave, not from old age, but from want of proper protection and better wages."

No. 6174. German section foreman, Grand Trunk. "Immigration has reduced the wages of trackmen from \$1.25 to \$1.10 in the past five years."

No. 6386. Surveyor, Grand Trunk, says: "Give us good republican administration and everything will be O. K."

No. 6568. Section hand, Sand Creek: "I commenced ten years ago as a section hand at this place. Have bought a lot, built a house, supported my family, am out of debt and have money at interest." This man is a native born American. His total earnings last year were \$367.00 out of which he supported a family of four and saved money.

No. 7200. Station agent, on Michigan Central, says: "Immigration is overstocking the country with worthless people."

No. 7237. Agent, on M. C. R. R., says: We are obliged to buy uniform cloth of the company for uniforms and have them made at our own expense. The company taking pay for the cloth out of our wages. Uniform caps are paid for in the same manner."

No. 7249. Telegraph operator, at Saginaw, says: "Am in favor of government control of all railroad and telegraph lines."

No. 7297. Car accountant on M. C. R. R., says: "I think nine hours per day is enough for any man to work."

No. 7406. Clerk on M. C. R. R., says: "Immigration ought to be stopped for five years."

No. 7493. Clerk on M. C. is in favor of government control of telegraph and railroads.

No. 8550. Watchman on M. C. R. R., says: "Have worked for this company in the same capacity on and off for about eight years. Laid off for two years. I think the ten hour law should be enforced in all cases and if work must necessarily be continued beyond that time, then fair overtime should be paid. I think also that all railroads should be operated by the government."

No. 8618. Section foreman on the M. C. R. R., says: "There is no work in the world that will make an old man of a young one any quicker than section work."

No. 9113. Collector, M. C. R. R., says: "I think the government should own all railroads and telegraph lines."

The canvasser at Jackson says: "As a rule foreign born workingmen are averse to giving the wages for the same class of work in their native land. I wonder why?" He also interviewed forty-five Italian track laborers and says: "Out of the whole number only four or five could speak English. The foreman, an Italian, says it costs about fifteen cents a day to feed his men, nearly all the rest goes for beer and clothing. They aim to save about \$100 a year. Speaking of a Polish laborer he says: "There are probably twenty men of the same nationality as this one, and when asked why they don't join a labor organization, they say it costs too much. The Irish here seem to be the only foreigners inclined to give their country a black eye by the comparison of wages."

EXPLANATORY.

In the arrangement of the tables pertaining to railway employes in this report, the following classification has been used and this explanation is published for the purpose of facilitating their study.

1. CONDUCTORS—Passenger, freight.
2. ENGINEERS—Passenger, freight, yard, locomotive only.
3. FIREMEN—Locomotive only.
4. BRAKEMEN—Passenger, freight.
5. BAGGAGEMEN—Train only.
6. AGENTS—Station agents, ticket agents, freight agents.
7. OPERATORS—Train dispatchers, station operators.
8. CLERKS—Cashiers, auditor's office force, all clerical employes in general office, billers, checkers, station baggagemen, stenographers, typewriters, secretaries, purchasing agents.
9. SHOPMEN—Carpenters, painters, car repairers, machinists, stationary engineers and firemen, coppersmiths, boiler makers, blacksmiths, tanners, moulders.
10. YARDMEN—Yardmasters, switchmen, targetmen, flagmen, gatemen, interlocking switchmen, car inspectors, wipers, hostlers, oilers, car sealers, watchmen, pumpers, scalers.
11. LABOREES—Trackmen, sectionmen, including foremen; sweepers, car cleaners, scrubbers, coal heavers, ore handlers, freight handlers, truckmen, lumber yard laborers.
12. OTHER MEN—Teamsters, bridge tenders, division track foremen, roadmasters, callers, car recorders, draughtsmen, bridge gang, janitors, car dispatchers, car porters, water service, general officers, restaurant employes parlor car and dining car service.

ABBREVIATIONS.

Following is a list of the abbreviations used in the foregoing tables, together with explanations.

NAMES OF RAILROADS.

- M. & L.—Manistee & Luther Railroad.
 M. & N. E.—Manistee & North Eastern Railroad.
 M. & O.—Mason & Oceana Railroad.
 F. & P. M.—Flint & Pere Marquette Railroad.
 C. & W. M.—Chicago & West Michigan Railway.
 D., B. C. & A.—Detroit, Bay City & Alpena Railroad.
 C., J. & M.—Cincinnati, Jackson & Mackinaw Railroad.
 D., S. S. & A.—Duluth, South Shore & Atlantic Railway.
 U. S. A.—Union Station Association, Detroit.

G. R. & I.—Grand Rapids & Indiana Railroad.
 M. R.—Mineral Range Railroad (includes Hancock & Calumet).
 P., O. & N.—Pontiac, Oxford & Northern Railroad.
 S., T. & H.—Saginaw, Tuscola & Huron Railroad.
 Wabash.—Wabash Railroad.
 C. & N. W.—Chicago & North Western Railway.
 M. C.—Michigan Central Railroad.
 T. & S. H.—Toledo & South Haven Railroad.
 C., M. & St. P.—Chicago, Milwaukee & St. Paul Railway.
 C., C. & St. L.—Cleveland, Cincinnati, Chicago & St. Louis Railway.
 M., St. P. & S. S. M.—Minneapolis, St. Paul & Sault Ste. Marie (Soo Line) Railway.
 C., K. & S.—Chicago, Kalamazoo & Saginaw Railway.
 G. T. R.—Grand Trunk Railway (includes all lines owned and leased in Michigan).
 D., L. & N.—Detroit, Lansing & Northern Railroad (including Saginaw Valley & St. Louis Railroad).
 T., A. A. & N. M.—Toledo, Ann Arbor & Northern Michigan Railway.
 L. S. & M. S.—Lake Shore & Michigan Southern Railway.

NATIONALITIES.

Am., American; Can., Canadian; Ger., German; Eng., English; Nor., Norwegian; Hol., Hollander; Ital., Italian; Belg., Belgian; Scand., Scandinavian; Boh., Bohemian; Rus., Russian; Aus., Austrian; Prus., Prussian; Bav., Bavarian; Jap., Japanese.

LABOR ORGANIZATIONS.

O. of R. C.—Order of Railway Conductors.
 B. of L. E.—Brotherhood of Locomotive Engineers.
 B. of L. F.—Brotherhood of Locomotive Firemen.
 I. A. of A. M.—International Association of American Machinists.
 R. A. A.—Railway Agents Association.
 O. of R. T.—Order of Railroad Telegraphers.
 B. of R. T.—Brotherhood of Railroad Trainmen.
 K. of L.—Knights of Labor.
 S. M. A. A.—Switchmen's Mutual Aid Association.
 B. of R. T. M.—Brotherhood of Railroad Track Men.
 B. M. U.—Boilermakers' Union.
 M. & E. A.—Machinists' & Engineers' Association.
 T. D. A. of A.—Train Dispatchers Association of America.
 N. R. C. A.—National Railroad Clerks' Association.
 B. of R. C. M.—Brotherhood of Railroad Car Men.
 I. T. U.—International Typographical Union.
 C. U.—Carpenter's Union.
 S. F. U.—Steam Fitter's Union.
 F. H. A. A.—Freight Handlers' Aid Association.
 U. O. W. M.—United Order of Workingmen.
 A. S. of E.—Amalgamated Society of Engineers.
 C. M. U.—Cabinet Makers Union.

SOME DEDUCTIONS.

The inferences which follow are the results of a partial study and arrangement of the compiled schedules which form a basis for the foregoing tables and remarks. The whole number of schedules have been taken as a foundation for these figures, the compiler not confining himself merely to the number published. It is not claimed that all or even a great part of the information to be derived from a study of the printed tables has been more than indicated in a casual manner. In fact these footings and classifications are of the nature of suggestions of a few of the many lines of investigation which might be followed to logical conclusions. No attempt has been made to elaborate and complete them. The student of sociological statistics, taking these tables and figures as a basis, will find a fruitful subject of inquiry.

In the following classifications the individuals forming a basis for the foregoing tables

are first divided as to "Roads Where Employed," "Occupation" and "Nationality." Following this classification, is given some figures pertaining to "Domestic Relations," "Earnings and Savings," "Ownership of Homes," "Renters," "The Use of Intoxicating Liquors," "Membership in Labor Organizations," "Life," "Accident" and "Fire Insurance," and "Sick Benefits."

The reports of nativity show that almost sixty per cent of Michigan railway employes are native born Americans, and the remaining forty per cent is divided among twenty-four foreign nations. Of this remainder, the three nationalities, German, Canadian, and Irish comprise over sixty-three per cent. A large majority of the more common grades of railway labor is foreign born.

With regard to Domestic Relations, more than sixty-two per cent are married, thirty-six per cent unmarried. A little more than one per cent are widowers, and about one-tenth of one per cent refused or neglected to answer the latter part of question 1 (see page 2).

The number of persons supported by the wages of the men canvassed is, approximately, twenty-four thousand six hundred and eight. Exclusive of amount saved, this shows cost of living per annum, for the average railroader and his family, to be one hundred and ninety-seven dollars per head. Of the total number found to be in these families a trifle less than forty-nine and one-half per cent are children, and a little more than fifty and one-half per cent are adults.

In the compilation of the number of persons who have saved money during the past year, it is reported that the greatest number who habitually save a portion of their wages are employed in those grades which earn less than fifty dollars per month. It is also true that the greatest aggregate of savings is found in the same grades of labor. The moderate earners are the largest savers. The replies to the first part of question 23 (see page 2) also prove that what are regarded as necessities by one, are considered luxuries by another. The showing of money earned and saved is a good one. Nine thousand two hundred and eight persons report an average earning of five hundred and eighty-six dollars and seventy-eight cents per annum. Two thousand seven hundred and ninety-two reporting amount of money saved, show an annual saving of one hundred and sixty-eight dollars each, or twenty-nine per cent as compared with the average earnings. Placing the average savings of each of the four hundred and sixty who report savings but do not give amount, at the same figure as those who do report amount, the total savings are a trifle more than ten per cent of the whole amount earned.

On examination into the number of those owning homes and those who rent them, it is found that thirty-one per cent of the men canvassed live under their own roofs, and sixty-three per cent of these homes are paid for. Upon the remaining thirty-seven per cent not paid for, there is an average incumbrance of five hundred and fifty dollars. Coming to those who pay rent it is found that the average rent paid is seven per cent interest on one thousand, four hundred and eighty dollars.

Answers to the last half of question number twenty-three (see page 2), was the most difficult to get of any on the schedule. The compiler is satisfied that both the number of those reporting no liquor used, and the amounts given as spent, are much too small. However, the results are given, with this explanation, for what they are worth.

The results of the investigation as to membership in Labor Organizations are surprising, and cannot fail to be disappointing to the members of the Orders and Brotherhoods, themselves. These figures are still more forcible when the fact is known that most of the canvassing for these statistics was done by members of railway

organizations. It will be seen that only about twenty-one per cent of the railway laborers of the State are organized.

The reports on death and sick benefits and accident insurance, both within and without the labor organizations, are interesting, and show that most of the organizations are solicitous for the welfare of the families after the death of their members.

A computation shows that the average age of the men canvassed is between thirty-three and thirty-four years, and the average number in the families of the married to be 3.68.

It is desired again to call the attention of the reader to the fact that this canvass was practically complete before the sweeping reductions took place in the pay and number of men employed by nearly every railroad company in Michigan.

OCCUPATIONS.

Whole number of men canvassed	9,226
Conductors	415
Engineers	614
Firemen	592
Brakemen	607
Baggagemen	124
Agents	291
Operators	207
Clerks	1,107
Shopmen	1,834
Yardmen	952
Laborers	2,107
Other men	376

ROADS WHERE EMPLOYED.

The above men were employed by twenty-three different corporations as follows:

Whole number of men canvassed	9,226
Manistee & Luther railroad	139
Manistee & North Eastern railroad	104
Mason & Oceana railroad	72
Flint & Pere Marquette railroad	838
Chicago & West Michigan railway	645
Detroit, Bay City & Alpena railroad	174
Cincinnati, Jackson & Mackinaw railroad	78
Duluth, South Shore & Atlantic railway	917
Union Station Association, Detroit	77
Grand Rapids & Indiana railroad	628
Mineral Range railroad (including Hancock & Calumet)	79
Saginaw, Tuscola & Huron railroad	29
Pontiac, Oxford & Northern railroad	26
Chicago & Northwestern railway	209
Minneapolis, St. Paul & Sault Ste. Marie railway	67
Chicago, Kalamazoo & Saginaw railway	11
Cleveland, Cincinnati, Chicago & St. Louis railway	56
Toledo, Ann Arbor & Northern Michigan railway	253
Detroit, Lansing & Northern railroad (including the Saginaw Valley & St. Louis)	447
Lake Shore & Michigan Southern railway	515
Grand Trunk railway (including all lines owned and leased in Michigan)	1,069
Wabash railroad	182
Michigan Central railroad	2,611

NATIONALITIES.

The whole number of men canvassed	9,226
Americans	5,527
Canadians	762
Germans	916
Irish	607
English	329

Swedes.....	265
Norwegians.....	38
Hollanders.....	104
Poles.....	166
Italians.....	31
French.....	128
Belgians.....	7
Swiss.....	6
Danes.....	50
Scandinavians.....	8
Scotch.....	144
Welsh.....	3
Bohemians.....	12
Russians.....	9
Finns.....	43
Austrians.....	2
Prussians.....	1
East Indian.....	1
Bavarian.....	2
Japanese.....	1
Not answering.....	65

DOMESTIC RELATIONS.

Whole number of men canvassed.....	9,226
Married.....	5,792
Single.....	3,313
Widowed.....	112
No reply.....	9

NUMBER IN FAMILIES.

Total.....	24,608
Adults.....	12,433
Children.....	12,175

EARNINGS AND SAVINGS.

Whole number of men canvassed.....	9,226
Total number reporting earnings.....	9,208
Total number refusing to answer question.....	18
Total reported earned.....	\$5,403,104
Total reported earned regular time.....	\$5,340,081
Total reported earned overtime.....	\$62,023
Total reported saved.....	69,069
Number reporting money saved.....	2,792
Average for each.....	\$168
Number reported saving, but did not say how much.....	460
Number who did not answer.....	904
Number who reported no savings.....	5,070

OWNERSHIP OF HOMES, ETC.

Whole number of men canvassed.....	9,226
Total number owning homes.....	2,861
Total number renting homes.....	2,911
Total number who neither own homes or rent.....	3,454
Number of homes incumbered.....	1,054
Number of homes unincumbered.....	1,807
Amount of incumbrance.....	\$584,955.00
Total amount of rent per month.....	\$25,057.34
Average per month for rent.....	\$8.62
Number of homes insured against fire.....	2,555

USE OF LIQUORS.

Whole number of men canvassed.....	9,226
Number reporting no liquor used.....	4,599
Total number not answering.....	2,342
Total number reporting less than one dollar per month.....	1,004
Total number reporting over \$1.00 and less than \$5.00 per month.....	535
Total number reporting over \$5.00 per month.....	199
Total number reporting something spent for liquor but not stating amount.....	547

MEMBERSHIP IN LABOR ORGANIZATIONS.

Whole number of men canvassed.....	9,226
Total number belonging to labor organizations named below.....	1,891
Total number belonging to labor organizations, but do not say what	27
Total number belonging to no labor organizations.....	7,095
Total number refusing to answer.....	213

The membership in labor organizations is divided among the various orders as follows:

Order of Railway Conductors.....	217
Brotherhood of Locomotive Engineers.....	426
Brotherhood of Locomotive Firemen.....	281
International Association of American Machinists.....	140
Railway Agents Association.....	8
Order of Railway Telegraphers.....	104
Brotherhood of Railway Trainmen.....	321
Knights of Labor.....	15
Switchmen's Mutual Aid Association.....	91
Brotherhood of Railway Track Men.....	186
Boilermakers Union.....	27
Machinists and Engineers' Association.....	5
Train Dispatchers Association of America.....	3
National Railway Clerks' Association.....	2
Brotherhood of Railroad Car Men.....	33
International Typographical Union.....	1
Carpenters' Union.....	5
Steam Fitters' Union.....	1
Freight Handlers' Aid Association.....	23
United Order of Workingmen.....	1
Amalgamated Society of Engineers.....	1
Cabinet Makers' Union.....	1
Moulders' Union.....	1
Total.....	1,891

DEATH BENEFITS INSIDE OF ORDERS.

Whole number of men canvassed.....	9,226
Total number reporting death benefits in various labor organizations.....	1,574
Total number reporting no death benefits in labor societies.....	203
Total number not answering.....	7,449
Total number of labor organizations not answering.....	141

SICK BENEFITS, INSIDE ORDERS.

Whole number of men canvassed.....	9,226
Total number reporting sick benefits in various labor organizations.....	1,360
Total number reporting no sick benefits in Labor societies.....	302
Total number not answering.....	7,564

OTHER LIFE INSURANCE.

Whole number of men canvassed.....	9,226
Total number having life insurance outside of labor organizations.....	3,699
Total number having no life insurance.....	4,636
Total number not answering.....	891

ACCIDENT INSURANCE, OUTSIDE OF ORDERS.

Total number reporting accident insurance outside the several orders.....	1,717
Total number reporting no life insurance outside the several orders.....	5,416
Total number not answering.....	2,093
Total number canvassed.....	9,226

MEN AND WAGES.

Table No. 2, which follows, is the result of a canvass of the railroad companies. By it is shown the number of men employed by each railroad company in each class, and the average wages per month for each class. And from these statements are derived the average wages for the State paid each class, the total number of men employed in each class, the total number of men employed on railroads, the average wages paid to railroad men as a whole.

In order to make these footings plainer, they are carried out independent of the table.

Total number of men employed by Michigan railroads.....	27,956
conductors.....	1,014
engineers.....	1,460
firemen.....	1,511
brakemen.....	1,974
baggage men.....	249
agents.....	1,003
operators.....	705
clerks.....	1,590
shopmen.....	4,599
yardmen.....	1,807
laborers.....	9,437
other men.....	2,607

TABLE.

Names of Railroads.	Conductors.		Engineers.		Firemen.		Brakemen.		Baggage-men.	
	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.
M. & L.	6	\$48 83	7	\$77 86	7	\$47 00	10	\$45 00		
M. & N. E.	7	71 43	7	90 71	7	50 00	11	50 00		
M. & O.	6	58 50	7	91 00	7	50 00	6	47 50		
F. & P. M.	93	91 20	138	93 00	138	52 50	178	54 00	22	\$90 00
C. & W. M.	72	83 33	88	80 00	88	40 00	126	55 17	16	52 50
D., B. C. & A.	21	70 00	25	85 00	25	47 00	51	47 00	2	50 00
C., J. & M.	18	76 90	17	102 00	16	55 50	30	52 00		
D., S. S. & A.	50	74 62	76	87 88	79	55 38	120	48 62	15	52 00
Union Station Association, Detroit.			20	70 00	20	41 60				
G. R. & I.	75	82 50	92	112 00	92	57 86	138	58 16	20	47 00
Mineral Range	8	67 50	12	77 91	12	49 83	21	51 28		
P., O. & N.	4	67 50	4	92 30	4	50 00	4	45 00	2	45 00
S., T. & H.	6	62 25	7	75 40	12	39 52	16	44 00		
Wabash	31	89 45	34	109 00	36	59 57	55	51 00	21	52 34
C. & N. W.	81	82 13	139	93 00	143	57 49	175	52 34	19	62 50
Michigan Central	226	70 00	366	82 50	386	44 00	426	42 75	57	46 80
T. & S. H.	1	40 00	1	60 00	1	30 00	1	30 00		
C., M. & St. P.	4	95 00	9	82 40	9	52 26	7	55 85	1	60 00
C., C., C. & St. L.	17	76 50	14	113 00	14	61 43	30	51 00	6	60 00
Soo Line	28	92 20	34	92 70	28	62 70	53	52 50	4	60 00
C., K. & S.	2	62 50	2	71 50	2	45 00	2	45 00	1	40 00
Grand Trunk	116	75 00	192	107 00	211	66 00	214	45 00	38	55 00
D., L. & N.	51	71 33	54	78 00	58	39 78	138	52 47	10	49 00
T., A. A. & N. M.	35	60 00	50	81 00	53	41 00	68	38 00	6	38 00
L. S. & M. S.	53	77 17	61	88 48	63	49 64	94	50 25	9	52 50
Total in each class	1,014		1,460		1,511		1,974		249	
Average wages in each class		\$72 87		\$87 75		\$49 78		\$48 53		\$51 92

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AVERAGE WAGES PER MONTH.

Average paid to conductors	\$72 87
engineers	87 75
firemen	49 78
brakemen	48 53
baggage men	51 92
agents	46 10
operators	46 25
clerks	47 02
shopmen	50 40
yardmen	49 89
laborers	35 35
other men	50 61
Average wages of railroad employes in the State	53 +

No. 2.

Agents.		Operators.		Clerks.		Shopmen.		Yardmen.		Laborers.		Other men.		Total.	
No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.	No. employed.	Average wages.
14	\$49 64			17	\$38 53	10	\$60 00	12	\$46 87	110	\$29 05	10	\$45 50	172	\$50 01
						15	55 80	6	42 50	42	37 65	43	45 92	169	53 23
129	40 00	40	\$50 00	299	51 00	364	58 00	139	50 00	555	45 00	151	63 30	2,246	59 60
101	45 50	49	45 50	242	50 00	178	43 00			724	30 50	18	45 00	1,702	51 86
						49	47 00			129	31 72	27	57 28	329	54 87
23	37 23	16	30 00			97	49 40			97	32 00	59	37 50	373	53 00
48	63 18	55	67 00	119	71 50	350	53 30	62	50 70	552	46 25	50	50 18	1,676	40 66
1	50 00	4	50 00	10	50 00			58	69 00	115	40 00	8	75 00	232	55 70
80	45 20	52	48 25	207	51 50	296	50 68	224	44 00	806	32 25	36	61 00	2,118	57 53
						28	55 12	6	46 68	49	42 00			183	54 86
8	65 12	19	42 38	20	49 00	5	48 62	7	54 60	60	32 00	23	44 60	135	51 86
14	39 00	3	48 62	4	60 00	22	47 50	4	26 00	60	32 24			142	47 57
11	41 25					65	53 15			104	33 60	67	55 93	428	60 51
14	46 95	8	53 18			353	51 26	115	65 50	637	38 62	432	54 89	2,094	61 97
						1,017	47 80	605	46 70	2,111	32 60	652	68 67	6,572	50 87
169	42 07	200	45 90	357	40 66	2	42 00	3		24	35 00			38	38 37
6	38 00					8	50 62	17	54 70	72	33 89	32	50 00	179	57 53
13	55 77	7	43 85	5	40 00	15	35 33	8	53 38	25	33 00	2	39 00	139	58 80
5	44 60	8	38 32			87	54 70	24	72 55	210	47 80	55	52 00	523	65 24
						5	32 00	2	55 25	25	30 00			52	45 30
11	26 50					1,068	49 00	291	40 00	1,191	32 00	618	40 00	4,182	55 38
129	55 00	114	45 00	85	41 90	123	48 34			471	29 65	18	35 83	1,122	49 43
77	45 71	33	48 69	13	35 50	83	37 00	24	44 75	265	35 00	115	44 00	784	43 61
41	37 00	31	34 50	194	41 11	355	50 90	105	40 15	961	30 85	191	47 01	2,286	53 60
109	53 21	71	49 95												
1,008		705		1,590		4,599		1,807		9,437		2,607		27,956	
	\$46 10		\$46 25		\$47 02		\$50 40		\$49 89		\$35 35		\$50 61		\$53 +

LOSS IN BUSINESS, PAY ROLLS, ETC.

From partial reports received at this office since the 20th of December from nineteen of the leading roads in the State, it is satisfactorily proven that the gross business of these nineteen roads show a decrease of nineteen and seven-tenths per cent during the months of September, October and November, 1893, as compared with the same period of 1892. It is also demonstrated that the reduction in the wages of employes since January 1, 1893, has been seven and ninety-three hundredths per cent. There has been likewise a decrease of twelve per cent in the number of men employed in the period covered by the months of July, August, September, October and November, 1893, as compared with the same period in 1892. The statements which furnish these figures are on file at this office, but are prepared in such shape that it is impracticable to tabulate them.

Following is the aggregate pay rolls of nineteen roads in Michigan:

Manistee & Luther R. R.	\$52,808 98
Manistee & North Eastern R. R.	110,293 55
Mason & Oceana R. R.	30,786 48
Flint & Pere Marquette R. R.	1,171,003 31
Chicago & West Michigan R. R.	959,649 24
Cincinnati, Jackson & Mackinaw R'y	154,102 17
Duluth, South Shore & Atlantic R'y	989,289 88
Grand Rapids & Indiana R. R.	949,578 28
Mineral Range R. R.	126,020 62
Saginaw, Tuscola & Huron R. R.	57,756 20
Pontiac, Oxford & Northern R. R.	52,205 88
Chicago & Northwestern R'y	944,653 00
Minneapolis, St. Paul & Sault Ste. Marie R'y	397,345 05
Cleveland, Cincinnati, Chicago & St. Louis R'y	25,761 00
Toledo, Ann Arbor & Northern Michigan R'y	539,143 37
Detroit, Lansing & Northern R. R.	608,894 58
Grand Trunk R'y	2,536,274 00
Wabash R. R.	193,860 24
Michigan Central Railroad	3,874,822 56
Total	<u>\$13,775,248 37</u>

The total of the pay rolls for the nineteen roads above given is startling. Taking the whole number of men employed as a basis for calculation, the pay rolls for railroads in Michigan, to men residing in the State, reaches the magnificent grand total of over sixteen millions of dollars. Some conception of the importance of the common carriers of the State as business factors may be conceived when this one comparatively small item is taken into consideration.

In the preceding pages, a study of the railroad worker has been made from both an individual and a collective standpoint. Under the first head, the agents of this bureau have interviewed thirty-three per cent of the men themselves. The general officers of the several railway corporations have furnished the data which is considered under the second head. Still another phase of the railroad labor question occupies the largest part of Part II, in which the subject of strikes is considered, and which follows immediately after this.

PART II.

STRIKES.

The officers of the Labor Bureau have not considered it the intent of the law governing the bureau, that it should take cognizance of and enter into a lengthy detail of strikes outside of Michigan unless they were of more than ordinary importance.

The year 1893 has not been prolific in strikes, and in Michigan, especially, if that on the Toledo, Ann Arbor & Northern Michigan railroads excepted, there have been none that have seriously interfered with any class of business, or attracted more than passing attention of people generally.

The Toledo and Ann Arbor strike, from the fact that the authority of the United States courts was invoked in settlement, and injunctions were issued which virtually terminated this strike, mark it as the most important of any that has occurred in this or perhaps any other state and entitles it to more than passing notice in the report of the Michigan Labor Bureau.

In the succeeding pages will be found a history of this strike as brief as its importance permits. It was believed that a history of it, both from the standpoint of the striking employes and the corporation, would be of interest to all who make labor reports a study. To this end Mr. Arthur, the head of the Brotherhood of Locomotive Engineers, Mr. Sargent, the head of the Brotherhood of Locomotive Firemen, and Mr. Ashley, General Manager of the Toledo, Ann Arbor & Northern Michigan railway, were invited to prepare such a history. Mr. Arthur referred the bureau to his attorney, Mr. Hurd, of Toledo, from whom no response whatever was received. Subsequently Mr. Arthur referred the bureau to Mr. George W. Taylor, who promptly prepared and forwarded a history which appears in full. Mr. Sargent expressed himself as willing to comply with the request, but apparently has been unable to do so, owing to the amount of business devolving on him as the head of the Brotherhood of Firemen.

With no disposition to criticise Mr. Arthur or Mr. Sargent, the bureau believes the public generally would have been glad if one or the other of these gentlemen had prepared a history of this strike as it appeared to him.

Mr. H. W. Ashley, for the corporation prepared such a history which appears over his signature.

It will, of course, be seen that these histories are written from different standpoints, but this bureau believes that each states the case honestly as it appears to him.

It should be stated that for some time prior to March 1, 1893, the employes of the T., A. A. & N. M. R'y, particularly the engineers and firemen, had been dissatisfied with the wages received, hours of service, and other matters pertaining to their conneo-

tion with the road as employ  s, and about that time prepared a new schedule of prices and rules governing their employment, and asked the company to adopt it. The refusal of the company to do this, led finally to the strike on March 8th.

MR. GEORGE W. TAYLOR'S LETTER.

STATEMENT OF EMPLOY  S.

Detroit, Nov. 14, 1893.

HON. CHAS. H. MORSE, *Commissioner of Labor, Lansing, Mich.:*

DEAR SIR—Yours of the 31st ult. came duly to hand, contents noted. I will endeavor to grant your request. To commence with, the causes which led up to the late trouble on the T. A. A. & N. M. R. R. go back as far as July, 1891. At that time the condition of the employ  s of the train and motive power departments of the Ann Arbor road was anything but satisfactory as far as treatment and compensation were concerned. The principal dissatisfaction was with the rate of pay and hours of labor. At that time the rate of pay was two and six-tenths cents per mile, or \$2.60 per 100 miles on passenger engines; on freight engines three and six-tenths cents per mile, and no overtime. This meant that if it took 12, 24, 36 or 48 hours in making the run over a division, engineers and firemen would receive but actual mileage. So at that time the grievance was the hours required to make the miles, or in other words, the overtime.

There are two causes for men in our line of business being required to work overtime. These are a heavy rush of business, or poor dispatching of trains. On the Ann Arbor road it was poor dispatching.

The only way engineers, firemen, conductors and brakemen have to lessen the hours of labor, is to insist upon extra pay for all overtime. Twelve hours is the standard adopted by the organizations as the limit of hours on duty before overtime should commence. This is for road men or men employed in road service. It certainly is the limit of human endurance and safety for men employed in road work. I have yet to find a man who is employed in the train or motive power department of a railroad who desires to work any overtime from his own choice. But when a train starts from a terminal point and until it reaches the end of its run, it is under the direction of the train dispatcher as far as its movements are concerned, as well as the number of cars it will haul, etc. If the dispatcher wishes, he can give a crew more cars to haul than it is possible under any circumstances for the engine to handle. This means "double" every hill on the road; also if the dispatcher chooses, he can delay one train so as to give another a show to get over the road. In some cases he will run a train to a certain point where orders may run out. It may mean hours before he will get it out again. Or he may lay one train out to favor another while he may be requiring to haul more than the engine can handle. Hence one engineer is waiting to meet another at a certain point, while the latter is busy "doubling" every hill he may come to. In a case of this kind on roads where overtime is allowed, a report known as a "delay report" has to be made out giving full particulars as to cause of delay. This means fixing the blame where it properly belongs. And it means better dispatchers if it means anything at all.

To come back to the Ann Arbor road prior to July, 1891: The matter of pay and overtime was discussed among the employ  s and a series of meetings were held and it was decided that the four orders were each to send three representatives to see Mr. Ashley. This committee consisted of men from the B. of L. E., B. of L. F., B. of R. T., and the O. R. C. The committee called upon Mr. H. W. Ashley, the general manager, with a

schedule of the wages they asked, also the hours of labor before overtime should commence. Mr. Ashley declined to accept the rate. In fact, declined to treat with the committee at all. As a last resort the chief executive officers of the orders interested were sent for. Mr. Ashley refused to treat with them. Finally they proposed to Mr. Ashley to arbitrate. He refused even to do this, complaining it would be unfair to the company. The president, Mr. Ashley's father, agreed to arbitrate. This was done and a scale of wages was fixed, while not so high as was asked in one branch of the service, it was satisfactory. But the worst feature was, that after Mr. Ashley, Sr., the president, had agreed to live up to the decision of the Board of Arbitrators, his son, the general manager, positively refused to pay the scale of wages. In fact the rate of pay awarded by the arbitrators has never been paid in any one single instance. But instead, the general manager issued a bulletin stating that those who would not accept the company's rate of pay, could quit the service.

In view of the manner in which the officers of the company had acted, and the attitude that was assumed by them towards the members of the committees, as well as to the orders in general, it was thought best by all concerned to wait awhile until we got stronger. The general manager at once set machinery in motion with a view of wiping out all the labor organizations on the road. This machinery was exposed very quickly by the superintendent, Mr. J. B. Connors, who discharged a whole lodge of the Brotherhood of R. R. Trainmen. The B. of L. E. and B. of L. F. were not molested at once, but the chairman of the engineers was discharged, and the balance of the more prominent in different orders were subjected to treatment that was unbearable, so they were forced to resign.

In the meantime the treatment of the men and the hours of labor required of them gradually became worse. The hours of overtime were placed by Mr. Ashley at fourteen hours on the south end and twenty-one hours on the north end. Passenger engineers on the north end were reduced from two and six-tenths to two and three-tenths cents. Conductors' and brakemens' overtime was cut off altogether a very short time after being introduced. The custom of what is known as "Seniority rights" by railroad men, was not admitted. What I mean by this is, the oldest man in the service, who being fully competent, all other things being equal, should be entitled to preference of runs. This is recognized on every other road in the country. Mr. Ashley took the ground on this score that he proposed to run his road by what and whom he pleased. This course by him prevented a man having any ambition to rise in his profession. It precluded his having any definite object to work for. Mr. Ashley once said that if he had a man who had run a passenger train thirteen years, and another who had run but thirteen days, if in his judgment the thirteen-day man would run the train equally as well, he would take the older man off and replace him by the younger one. Matters gradually became worse. Men were being laid off indefinitely for imaginary offenses, and were not even given a hearing. Fines were imposed without even a suspicion of investigation. To make a long and painful story short, the Ann Arbor road was gradually becoming what is known in railroad parlance a "stake road," a road that employs the floating element of men in the railroad business, or what is known as the "tourist rail-roader." When a road gets to this state, men hire out with them and stay until they get enough money to get elsewhere. In some cases this element is composed of men who have lost their situations through drink or otherwise. When a road reaches this state it not only becomes unsafe for men to run on it but dangerous for anyone to travel over it. This was the state which the older men saw that the road would eventually

said, that he would like to see the committee representing the men before he would reinstate any of the old men. After some considerable delay the committee met him. He asked them to make him a proposition. They did so. The basis of the proposition was that he reinstate twenty engineers and twenty firemen at once, and the balance as soon as the business of the company required it. This was exactly the same proposition that Mr. Ashley made the committee in April, but which he refused to put in writing. Mr. Burt's reply was that he did not want to have two classes of men so he would decide in favor of the men he had, and would run the Ann Arbor road as a non-union road. Therefore he would not take any of the old men back.

Since that time, however, the Ann Arbor company have hired five of the old men back. The condition they require the men to comply with is withdrawal from the brotherhood, also a promise that they will not join any labor organization while they remain with the company.

It should be stated before closing that so far as the men were concerned they resorted to every expedient to avoid a strike, while on the part of Mr. Ashley there appeared a desire, or rather a determination, to provoke a strike. After the strike was in force the men held themselves ready to grant concessions and end the trouble as quickly as possible, so that the wholesale wreckage of property and the paralyzation of business, which was sure to follow, might be avoided. But a settlement was not wanted, and was not possible with a man whose solemn word today was nothing by which his actions of tomorrow might be judged. A little of the spirit of toleration, a little humanity on Mr. Ashley's part, would have avoided all the trouble. But he wanted vengeance; extermination is better. He would listen to nothing, grant nothing, and an agreement entered into with him today was not worth the breath wasted upon it tomorrow. Twenty-six wrecks in twenty-nine days is the frightful record made by the men he employed, and these carried with them four human lives.

I have made an effort to give all the points that come to my mind as being of any service in making out the report of your bureau, and I hope it will be of service to you.

Yours truly,

GEO. W. TAYLOR.

MR. ASHLEY'S LETTER.

STATEMENT FOR THE ROAD.

Toledo, Ohio, December 5, 1893.

HON. CHAS. H. MORSE, *Lansing, Mich.:*

I have your communication of the 18th ult. requesting a statement of the differences between this company and its enginemen and firemen which culminated in the strike of March 8, 1893.

On the first day of March, or thereabouts, a committee representing the members of the Brotherhood of Locomotive Enginemen and Firemen employed on this road presented a contract for service in their departments.

The committee was not authorized to represent or contract for the employes in these branches of the service, except such as were members of their orders.

The object of these demands were apparently two-fold:

First, To secure an increase of wages;

Second, To obtain a recognition of the right of their orders to adjust wages and regulate conditions of service in their departments.

The scale of wages proposed in their demands contemplated an increase of about fifteen per cent. The changes in rules demanded would have affected the expense of that department about four per cent more.

It is customary in this locality to pay passenger and freight enginemen by the mile. The rates on different roads are not uniform. They are regulated by local physical conditions and the financial condition of the corporation.

The schedule in effect at the time these demands were presented had been operative for the six years previous. It was originally made after consultation with employes in these classes of service. Its purpose was to give the men so employed \$100 per month for twenty-six days' work of less than twelve hours per day.

Passenger enginemen were paid two and three tenths cents on the northern and two and six tenths cents per mile on the southern division.

The average number of cars hauled to the train was less than two and one-half.

The average speed less than twenty-four miles per hour.

The average daily service was six hours and thirty minutes.

The average monthly compensation something over \$100.

Compared with the compensation paid by neighboring roads, Grand Rapids & Indiana, Flint & Pere Marquette, Detroit, Grand Haven & Milwaukee, this schedule offered an average of seven-tenths of a cent less per mile but gave the men employed forty-six cents more per day than the same class of service on these roads.

Freight enginemen were paid three and six-tenths cents per mile, and overtime if for any reason they were detained on the road longer than fourteen hours and thirty minutes.

This was four-tenths of a cent per mile more than the average paid on these same neighboring lines and the highest rate per freight mile paid by any road in Michigan.

The men employed in this class of work earned fifty-two cents per day more than similar employes on these other Michigan roads.

The average time of their daily labor did not exceed eleven hours and twenty minutes.

The average monthly compensation for twenty-six days' work was about \$104.

The increase was demanded for passenger service on the ground that three cents per mile was standard passenger pay regardless of local conditions and that the company's physical disabilities made an increase of compensation to freight enginemen necessary.

The demands for increase of compensation were refused on these grounds:

First, That the present scale was equitable and compared favorably with the wages paid by the company's competitors who were more prosperous financially;

Second, That the net earnings of the road per train and per car mile were decreasing.

These statements were offered for the consideration of the committee.

Earnings per train mile, 1891, \$1.17.

" " " " 1892, 1.09, decrease, .068 per cent.

" " ton per train mile, 1891, .95.

" " " " " " 1892, .93, " .002 " "

Number of cars per train, 1891, 28.

" " " " 1892, 25, decrease, 10 per cent.

The trains which these men hauled in 1892 earned the railroad company about eleven per cent less per mile than like trains in 1891. The committee nevertheless insisted that their compensation for hauling these trains should be fifteen per cent.

It was also demonstrated that the net earnings of the company had decreased some forty per cent as compared with the previous year.

The proposed contract included some thirty rules. They stipulated in detail the duties and conditions of employment in locomotive service.

The one which occasioned particular friction read as follows:

"Article XI, section II. In case an engineman is assigned to a run to which he is entitled by reason of his seniority rights and a question of his competency arises the superintendent of motive power and the committee of adjustment of the Brotherhood of Locomotive Engineers shall be the judge as to his competency."

Several of the company's oldest and most responsible enginemen had been expelled from the order of the brotherhood.

The management of the railroad believed that the adoption of this rule would ultimate in the retirement or subordination of these men; that it would be subversive of discipline and result in a large increase in the cost of operation of property; that the operation of such a rule would surrender the right of discipline to an irresponsible labor organization whose executive officers were not employes and had no knowledge of the conditions under which the property was operated.

The discussion was confined for the most part to the question of compensation, and the proposed regulations which had to do with the rights of the members of these orders to judge of the fitness of other men employed in their branch of the service.

The demands of the committee were finally declined March 3.

A request was received for a conference with the grand chief's of the brotherhoods, which was held March 6 and was without result.

The strike was declared and made effective March 8 at 6 a. m. At that hour the members of these orders in the company's service left their engines unprotected at various stations on the road.

On the evening of the 7th Mr. Arthur as executive chief notified all enginemen employed on lines with which this one exchanged traffic that the rules of the brotherhood made it their duty to decline to handle business or cars for exchange with this company. He had been warned that such an order would subject him to the liabilities and penalties of conspiracy (vide 34th Federal Reported, Page 481).

On the 10th the operation of the boycott was effective. On the 11th application was made and the following injunction issued by the Hon. Augustus J. Ricks, United States District Judge for the Northern District of Ohio:

"The Circuit Court of the United States, Northern District of Ohio, Western Division.

THE TOLEDO ANN ARBOR & NORTHERN MICHIGAN

RAILWAY COMPANY, *Complainant,*

vs.

THE PENNSYLVANIA COMPANY, et al., *Defendants.*

} Order.

On the filing of the bill of complaint and affidavit herein, and it appearing to the court that serious, immediate and irremediable damage will ensue unless an interlocutory injunction be allowed as prayed for in the bill: It is on application of said complainant ordered that the said defendants, Albert G. Blair, Jacob S. Morris, The Pennsylvania Company, The Wheeling & Lake Erie Railway Company, The Lake Shore & Michigan Southern Railway Company, The Michigan Central Railroad Company, The The Cincinnati, Hamilton & Dayton Railroad Company, The Columbus, Hocking Valley & Toledo Railway Company, The Toledo & Ohio Central Railway Company, The Cincinnati, Jackson & Mackinaw Railway Company, and each of them and their officers, agents, servants and employes be and they are hereby enjoined and restrained from refusing to offer and extend to the said Toledo, Ann Arbor & Northern Michigan Railway Company the same equal facilities for interchange of traffic on interstate business

between said railway companies, as are enjoyed by other railway companies and from refusing to receive from the said Toledo, Ann Arbor & Northern Michigan Railway Company cars billed from points in one state to points in another state, which may be offered to said defendant companies by the complainant; and from refusing to deliver in like manner to said complainant cars which may be billed over complainant's line from points in one state to points in other states.

Ordered that a writ of injunction be issued out of and under the seal of this court as prayed for in the bill of complaint, to remain in force until the further order of the court herein.

Done at Chambers in the city of Cleveland, in said district, on this 11th day of March, A. D. 1893."

On Sunday, the 12th, Hon. William Kirkby Railroad Commissioner for Ohio, was offered by the strikers as mediator or arbitrator.

He consented to act only on condition that the boycott should be raised pending his efforts to adjust the differences.

On Wednesday, the 15th, Mr. Kirkby completed his schedule. It was unsatisfactory to the strikers.

Notwithstanding the order issued by Judge Ricks on the 11th, the boycott was again made effective on the night of the 15th.

The operation of the boycott was in direct defiance of the published order of the court. From this hour the brotherhood lost public sympathy. The question was no longer one of compensation and rules. These questions were absorbed in the public mind by a more important one: Can a labor organization acting through its executive successfully defy the orders of a United States Judge?

On the 17th the management applied to Hon. William H. Taft, United States Circuit Judge, for an order which would reach Grand Chief Arthur and the following mandatory injunction was issued:

"In the Circuit Court of the United States for the Northern District of Ohio, Western Division."

THE TOLEDO, ANN ARBOR & NORTHERN MICHIGAN

RAILWAY COMPANY, *Complainants,*

vs.

THE PENNSYLVANIA COMPANY, *et al., Defendants.*

} Order.

Upon the filing of the amendment to the Bill of Complaint herein, and it appearing to the Court that serious, immediate and irreparable damage will ensue unless a temporary restraining order is allowed as prayed for in said amendment, it is, on application of the complainant ordered: That the said defendants, P. M. Arthur and F. P. Sargent, and each of them, be and they are hereby enjoined and restrained from issuing, promulgating or continuing in force any rule or order of any kind under the rules and regulations of the association known as the Brotherhood of Locomotive Engineers, or the rules or regulations of the association known as the Brotherhood of Locomotive Fireman, or otherwise, which shall require or command any employes of any of the defendant Railway Companies herein to refuse to receive, handle or deliver, or be in any way instrumental in refusing to receive, handle, or deliver any cars of freight in course of transportation from one state to another, from and to the Toledo, Ann Arbor & Northern Michigan Railway Company, or from refusing to receive or handle cars of such freight which have been hauled over the railroad of said Toledo, Ann Arbor & Northern Michigan Railway Company; and also from in any way directly or indirectly endeavoring to persuade or induce any employes of the railway companies whose lines connect with the railroad of said Toledo, Ann Arbor & Northern Michigan Railway Company, not to extend to said company the same facilities for interchange of interstate traffic as are extended by said companies to other railway companies and in case such rules or orders shall have been promulgated and issued by said Arthur and Sargeant, or either of them, prior to the service upon them of the restraining order herein, they and each of them are hereby commanded to recall and rescind such rule or order and to refrain from enforcing same.

Ordered that a temporary restraining order be issued out of and under the seal of this Court, as prayed for in the bill and the amendment thereto with the leave to the defendants or any of them to move to dissolve the same, the hearing to be had on said motion on one day's notice to complainant's solicitor.

Comes complainant and moves for an injunction pending the hearing of the issue herein, and accordingly Monday, March 27, 1893, is set for the hearing of said motion.

Notice of the same will be served on all defendants."

On the same day the papers in a civil suit against Mr. Arthur were drawn; damages were claimed by reason of his conspiracy to destroy the company's business through the operation of the boycott.

The papers were served on the afternoon of the 17th. On the morning of the 18th the boycott was raised and the strike was virtually at an end.

In the meantime a sufficient number of enginemen and firemen had been secured to enable the management to resume operations.

The accidents which occurred thirty days subsequent to the 8th of March were in every case but one attributable to carelessness or viciousness of the conductor or parties unknown, and in no case except one, to the ignorance or carelessness of the engineman.

By the final opinions of the highest judicial authority members of the Brotherhood of Locomotive Engineers had been characterized as conspirators.

This company's management has since refused to employ any members of it and will not do so until the boycott section known as Rule XII is formally rescinded and repudiated.

On August 26th Chief Arthur satisfied the company's claim for damages by the payment of \$2,500 in money.

The management of this company has many members of Labor Organizations in its service. The objection to the Brotherhood of Locomotive Engineers is that their bond of union is a declared form of conspiracy, which compels its members to commit crime if necessary to preserve and extend their organization.

From a financial point of view this strike was comparatively unimportant. The company earned \$142,000 more for the year ending June 30, 1893; than for the year ending June 30, 1892; its gross earnings for March decreased only \$6,000 as compared with the same month of the previous year.

It attracted general attention for two reasons:

First, Because for the first time the judicial authorities held that employes of a common carrier were semi-public servants and must perform their duties so long as they remained in the service of a carrier;

Second, Because the chiefs or leaders of a labor organization irresponsible, unincorporated and unknown to law were held criminally and financially for the overt acts of the orders they represented.

Respectfully,

H. W. ASHLEY,
General Manager.

The decisions of Judges Ricks and Taft have caused much discussion. Believing these decisions as they were given form a necessary part of the history of this strike they are given at length as published in "The Weekly Law Bulletin and Ohio Law Journal."

Following these decisions is the brief of Mr. Geo. C. Greene, General Counsel for the Lake Shore & Michigan Southern Railway.

It should be stated that Mr. Lennon was held by Judge Ricks for contempt and applied to the U. S. Circuit Court for writ of *habeas corpus* and that the application was denied. From decree denying application Lennon appealed to the U. S. Supreme Court. The appeal was heard in November and dismissed on the first point stated in Mr. Green's brief.

U. S. CIRCUIT COURT, N. D. O., W. D.

The Toledo, Ann Arbor & North Michigan Railway Company vs. The Pennsylvania Company, Lake Shore & Michigan Southern Railway Company, et al.

An order of a court of competent jurisdiction upon a corporation applies to all its officers and employes, and it is not necessary to make such employes parties before the orders and processes of the court become effective as to them—Employes of R. R. in accepting service assume an implied obligation to perform their duties so that it can discharge its obligations faithfully, and so as to protect it against irreparable loss and damages—Right of employes to leave the service under circumstances which would imperil lives or property, or to visit upon it severe penalties—An act done by an individual in the exercise of a right, may be lawful, but when done by a number conspiring to injure or improperly influence another, may be unlawful—When combination of persons may become criminal.

RICKS, J.

This suit was instituted by the Toledo, Ann Arbor & North Michigan Railway Company to compel the Lake Shore and Michigan Southern Railroad, the Pennsylvania Company and other defendants, to receive from it and to deliver to it freight and cars destined from one state to another, commonly known as interstate freight. The bill was drawn to enforce the third section of the inter-state commerce act, which provides: "That it shall be unlawful for any common carrier subject to the provisions of this act to make or give any undue or unreasonable preference or advantage to any particular person, company, firm, corporation or locality, or any particular description of traffic in any respect whatever, or to subject any particular person, company, firm, corporation, or locality, or any particular description of traffic, to any undue or unreasonable prejudice or disadvantage in any respect whatsoever."

The common carriers subject to the provisions of that act are defined by the statute to be "any common carrier or carriers engaged in the transportation of passengers or property wholly by railroad, or partly by railroad and partly by water, when both are used, under a common control, management or arrangement, for a continuous carriage or shipment from one state or territory of the United States, or the District of Columbia, to any other state or territory of the United States * * *."

The subject matter of this litigation is, therefore, the construction and enforcement of an act of congress, and the court acquires jurisdiction because of the federal question involved. That such question is involved, I think too plain for serious controversy. It is sufficient to constitute a case for cognizance by a federal court if it involves but a single ingredient or question dependent on the constitution, or a law, or a treaty of the United States, although it may at the same time involve any other questions that depend on the general principles of law. Chief Justice Marshall, in *Osborn v. U. S. Bank*, 9 Wheaton, 738, considered this point, and came to the following conclusion: We think, then, that when a question to which the judicial power of the union is extended by the constitution, forms an ingredient of the original case, it is in the power of congress to give circuit courts jurisdiction of that cause, although other questions of fact or law may be involved in it." Remedies of a similar nature might undoubtedly be invoked under statutes and the common law, but the act in question affords the broadest and most effective relief, and the jurisdiction therefore is safely grounded upon that law.

Upon the filing of this bill on the 11th day of March, and upon application of the complainant to me, at Chambers, in Cleveland, a mandatory injunction was allowed, directed to the defendants, their agents, officers, servants and employes, and it was thereby ordered "that the said defendants Albert G. Blair, Jacob S. Morris, the Pennsylvania Company, the Wheeling & Lake Erie Railway Company, the Lake Shore & Michigan Southern Railway Company, the Michigan Central Railroad Company, the Cincinnati, Hamilton & Dayton Railroad Company, the Columbus, Hooking Valley & Toledo Railway Company, the Toledo & Ohio Central Railway Company, the Cincinnati, Jackson & Mackinaw Railway Company, and each of them and their officers, agents, servants and employes be and they are hereby enjoined and restrained from refusing to offer and extend to said The Toledo, Ann Arbor & Northern Michigan Railway Company the same equal facilities for interchange of traffic on interstate business between said railway companies as are enjoyed by other railway companies, and from refusing to receive from the said The Toledo, Ann Arbor & North Michigan Railway Company cars billed from points in one state to points in another state which may be offered to said defendant companies by the complainant, and from refusing to deliver in like manner to said complainant cars which may be billed over complainant's line from points in the state to points in other states.

"Ordered that a writ of injunction be issued out of and under the seal of this court as prayed for in the bill of complaint, to remain in force until the further order of the court herein."

The application for this order was made to me at Chambers, in Cleveland, late on Saturday night, March 11. The situation set out in the bill disclosed an emergency in which prompt action was necessary. I had granted a similar mandatory order in 1891, on a bill for an injunction filed in this court by the Wheeling & Lake Erie Railroad, and it was enforced with beneficent results as against its engineers, firemen and trainmen, who had refused to handle interstate commerce freight loaded on cars consigned to various ports on Lakes Superior and Michigan. The bill in this case clearly entitled the complainant to relief as against the defendant railroads who were threatening to refuse to receive or deliver interstate freight.

The section of the interstate commerce law above quoted made it mandatory upon connecting railroads to receive and deliver passengers and freight, and to afford equal facilities for the interchange of traffic. Corporations can act only through their officers,

agents and servants, so that the mandatory provisions of the law which apply to the corporation apply with equal force to its officers and employes.

It has been urged by counsel for the accused that they should have been made parties defendants; should have been served with notice of the application for an injunction; and that notice of the allowance of the order should have been given to them the same as to the defendant railroads, in order to now authorize the court to find that they had such notice as to hold them for contempt. We do not concede this proposition. As has just been stated, a corporation can act only through its officers and employes, and a duty imposed by law, or by an order of a court of competent jurisdiction, upon a corporation, applies to the officers and employes of that corporation, and takes effect, as to them, so soon as they are in fact properly notified of the nature and scope of the law and order. Writs of injunction, of whatever nature they may be, when directed to a corporation, always run against it and its agents, servants, employes, etc. The order now before us was so allowed, and it was so issued. It would very much embarrass the courts in administering the law, if counsel are right in this contention. The difficulties would almost be insuperable if it were necessary to make all of the several thousand employes of the defendant railroads parties before the orders and processes of the court become effective as to them. They are part of the administrative force of their respective corporations, and in that respect a part of them.

It is therefore sufficient, I think, if in fact they are served with full and proper notice of the orders and processes of the court, to make them binding upon them. It is not necessary to make them parties.

The authority of the court to issue such an order has been questioned, but it rests upon well established principles. In *Beadel v. Perry*, L. R. 3 Eq. 465, a mandatory injunction was granted on the motion of Sir John Stewart, V. C. In giving judgment in that case, he said: "Reference has been made to a supposed rule of court that mandatory injunctions cannot properly be made, except at the hearing of the case. I never heard of such a rule. Lord Cottenham was, so far as I know, the first judge who proceeded by way of mandatory injunction, and he took great care to see that the party applying was entitled to relief in that shape."

In *Coe v. L. & N. R. R.*, when application was made to Judge Baxter, of the United States Circuit Court, at Nashville, Tenn., for a mandatory injunction restraining the defendant from discriminating against the complainant's business in handling live stock, and especially from inhibiting persons from consigning live stock to complainant's yards, that learned judge said: "Ought a mandatory order to issue upon this preliminary application? Clearly not, unless the urgency of the case demands it, and the rights of the parties are free from reasonable doubt. The duty which complainants seek by this suit to enforce, is imposed and defined by the law—a duty of which the court has judicial knowledge. The injunction compelling its performance pending this controversy can do the defendant no harm; whereas a suspension of the accommodations would work inevitable and irreparable mischief to the complainant. The injunction prayed for will, therefore, be issued."

In the case now under consideration, the duty which the complainant seeks to have enforced is defined by the law, and the rights of the parties are free from doubt, so that it seemed a proper case for the order to issue, and it was therefore allowed.

This order was served upon the several defendants and the Lake Shore & Michigan Southern Railroad, through its general superintendent, Mr. Canniff, made publication of the order in such a way as to bring it to the attention of its employes, and particularly to those of its engineers driving engines on the Detroit division, where the interchange of cars with the Ann Arbor road was frequent.

On the 18th of March, affidavits were filed that certain of its employes refused to obey the orders of the court; and, based thereon, an application was made by the Lake Shore & Michigan Railroad for an order to issue attaching certain of its employes for contempt for a violation of that order. Thereupon the court directed a citation to issue to said employes requiring them to appear and show cause why they should not be attached for contempt. This is the usual well established practice in such cases, and has abundant precedence in this district within the past ten years.

It is said the orders issued in this case are without precedent. Every just order or rule known to equity courts was born of some emergency, to meet some new conditions, and was, therefore, in its time, without a precedent. If based on sound principles, and beneficent results follow their enforcement, affording necessary relief to the one party without imposing illegal burdens on the other, new remedies and unprecedented orders are not unwelcome aids to the chancellor to meet the constantly varying demands for equitable relief.

Mr. Justice Brewer, sitting in the circuit court for Nebraska, said: "I believe most thoroughly that the powers of a court of equity are as vast, and its processes and pro-

cedure as elastic, as all the changing emergencies of increasingly complex business relations and the protection of rights can demand."

Mr. Justice Blatchford, speaking for the Supreme Court in *Joy v. Louis*, in 138th U. S., said: " * * * It is one of the most useful functions of a court of equity that its methods of procedure are capable of being made such as to accommodate themselves to the development of the interests of the public in the progress of trade and traffic by new methods of intercourse and transportation."

The spirit of these decisions has controlled this court in its action in this case.

Before proceeding to pass upon the evidence as to whether the men now before the court under charges of contempt are guilty or not, it may be profitable to consider the general principles of law applicable to the duties with which the accused were charged by the orders issued to them and to their employers. They were in the employ of the defendant, the Lake Shore & Michigan Southern Railroad, at the time the orders in the case were made, compelling it to receive from the Ann Arbor road all interstate freight it might tender. The testimony shows that the terms of this order were made known to the employés generally, and that they were thoroughly advised of its scope and mandatory provisions. That their employer was obligated, both under the general provisions of the interstate commerce law, and under the order of the court, to receive and haul all interstate freight, must have been known to them. They must also be held to have known that the penalties of the law were severe in case the employer violated either the law or the order of the court. Holding to that employer, so engaged in this great public undertaking, the relation they did, they owed to him and to the public, a higher duty than though their service had been due to a private person. They entered its service with full knowledge of the exacting duties it owed to the public. They knew that if it failed to comply with the laws in any respect, severe penalties and losses would follow for such neglect. An implied obligation was therefore assumed by the employés upon accepting service from it under such conditions, that they would perform their duties in such manner as to enable it not only to discharge its obligations faithfully, but also to protect it against irreparable losses and injuries and excessive damages by any acts of omission on their part. One of these implied conditions on their behalf was that they would not leave its service or refuse to perform their duties under circumstances when such neglect on their part would imperil lives committed to its care; or the destruction of property involving irreparable loss or injury, or visit upon it severe penalties. In ordinary conditions as between employer and employé, the privilege of the latter to quit the former's service at his option cannot be prevented by restraint or force. The remedy for breach of contract may follow to the employer, but the employé has it in his power to arbitrarily terminate the relations, and abide the consequences. But these relative rights and powers may become quite different in the case of the employés of a great public corporation charged by the law with certain great trusts and duties to the public. An engineer and fireman, who start from Toledo with a train of cars filled with passengers destined for Cleveland, begin that journey under contract to drive their engine and draw the cars to the destination agreed upon. Will it be claimed that this engineer and fireman could quit their employment when the train is part way on its route, and abandon it at some point where the lives of the passengers would be imperiled, and the safety of the property jeopardized? The simple statement of the proposition carries its own condemnation with it.

The very nature of their service, involving as it does the custody of human life, and the safety of millions of property, imposes upon them obligations and duties commensurate with the character of the trusts committed to them. They represent a class of skilled laborers, limited in number, whose places cannot always be supplied. The engineers on the Lake Shore & Michigan Southern Railroad operate steam engines, moving over its different divisions 2,500 cars of freight per day. These cars carry supplies and material, upon the delivery of which the labor of tens of thousands of mechanics is dependent. These cars carry the product of factories whose output must be speedily carried away to keep their employés in labor. The suspension of work on the line of such a vast railroad, by the arbitrary action of the body of its engineers and firemen, would paralyze the business of the entire country, entailing losses and bringing disaster to thousands of unoffending citizens. Contracts would be broken, perishable property destroyed, the traveling public embarrassed, injuries sustained, too many and to vast to be enumerated.

All these evil results would follow to the public because of the arbitrary action of a few hundred men, who without any grievance of their own, without any dispute with their own employer as to wages or hours of service, as appears from the evidence in his case, quit their employers to aid men, it may be, on some road of minor importance, who have a difference with their employer which they fail to settle by ordinary methods. If such ruin to the business of employers, and such disasters to thousands of the busi-

ness public who are helpless and innocent, is the result of conspiracy, combination, intimidation, or unlawful acts of organizations of employes, the courts have the power to grant partial relief, at least by restraining employes from acts of commission of violence or intimidation, or from enforcing rules and regulations which result in irremediable injuries to their employers and to the public.

It is not necessary for the purposes of this case to undertake to define with greater certainty the exact relief which such cases may properly invoke; but that the necessities growing out of the vast and rapidly multiplying interests following our extending railway business make new and correspondingly efficient measures for relief essential is evident, and the courts, in the exercise of their equity jurisdiction, must meet the emergencies as far as possible within the limits of existing laws, until needed additional legislation can be secured.

The evidence in this case shows in a strong light the unreasonableness of some of the rules and regulations under which employes consent to be governed in their own labor organizations. It appears from the evidence that, under the terms of their employment, the Lake Shore & Michigan Southern Railway, though empowered to suspend or discharge its engineers, must thereafter grant them a fair and impartial hearing within a reasonable time, and if found blameless, they must be paid such wages as they would have earned during the time of suspension or discharge. But the engineers, on their part, by their action in this case, claim the right to quit the company's service without a moment's notice, and without cause. Every engineer and fireman conceded on the witness stand that he was perfectly satisfied with his wages, perfectly satisfied with his hours of labor, and with his employer in every respect, and would be glad to continue in the company's employ; but admitted that he had quit the service arbitrarily, and without notice, because of the boycott against the Ann Arbor road. While denying that there had been any understanding or agreement, or any rule or notice by which all had arbitrarily left the company's service, the evidence shows such a uniform line of action, such unanimity in the manner of quitting, and the reasons assigned, as to convince me that there was a common design and a common purpose in what they did. Each one of them admitted that when he was asked if he would continue in the company's employ and obey the order of the court if the boycotted cars were taken out of his trains, he had agreed to do so. This clearly shows that they were controlled in their acts not by any grievance they had against their own employer, but by a rule or order, which has since been brought into court, and which my associate, Judge Taft, will deal with in his opinion.

Now, let us apply these general principles of equity, which are consistent with every rule of natural law and justice, to the facts of this case, so far as they affect those now charged with contempt of court. The evidence shows that, according to the rules and customs of the company, the engineers were paid \$3.75 for a run of 100 miles, and were paid for overwork. The time for computing compensation began at the hour they were called to leave the yard, and ended when they gave up their engines in the yard, and they were entitled to pay for that time, even though their engines did not move a wheel. Their service was therefore due to the company from the hour when their compensation began. The period of service continued during the time usually occupied in making the run for which they were called. During the period they were constantly subject to the orders of the company, and by custom and usage the relation of employer and employe was in force for that time. This is the most limited period that can be claimed for their term of service under the evidence before me.

On the afternoon and night of the 17th of March, a train of cars was made up in the yards of the Lake Shore & Michigan Southern road at Air Line Junction, destined for Detroit. About 6 o'clock P. M., Engineer Clark and Fireman Thompson were called to make the run. They prepared their engine, ran it into the yard, and backed down to within a half a car length of the train, and before coupling it, learned that the first seven cars were billed for Alexis, and intended for the Ann Arbor road. Thereupon Clark took his clothes from his box, announced to an officer of the company that he would quit its service, and, proceeding to the office, turned over his book of rules to the officer in charge. A call was then sent for Engineer Case and Fireman Kessler. They brought their engine to the train, coupled it, and on learning from the conductor that several cars were to be delivered at Alexis, Case said he would quit the service and did so. A call was then sent out for Engineer Rutger and Fireman James, and their engine was brought out and coupled to the train. When Rutger learned that Alexis cars were to be delivered, he quit his employment and left the yard, having turned over his book of rules. A call was then sent out for Engineer Conley and Fireman Westgate, whose engine was in the same way coupled to the train. Conley declined to haul the Alexis cars, and quit the company's employment. He offered to run the train out if the obnoxious cars were removed.

It is unnecessary to state the evidence more in detail. The proof is clear that all of these engineers and firemen fully understood the order of the court, and knew that if they continued in the company's service they would be compelled to obey it. Rather than do that, they quit their employment. Had they the right to do so under the circumstances surrounding them? The train which they refused to haul was safely stored in the company's yard. No special injury resulted from their refusal to continue in the service. No lives were imperiled, and no property jeopardized by their act. These facts clearly present extreme cases where a court of equity is asked to enforce the performance of contracts for personal service. The engineers were all bound by their terms of employment to haul the train to Detroit. They had been regularly called for service and entered upon it, and were in law obligated to continue in that service for the period of twelve hours, which covered their run. They have broken their contract, and the employer has its remedy at law, inadequate though it be.

But this court recognizes to its fullest extent the large measure of personal liberty permitted to employes, and, while it feels that they have violated their contract of service, it disclaims any power to compel them to continue that service against their will under the facts of this case. The insuperable difficulties attending an attempt to enforce the performance of continuous personal service have heretofore deterred courts of equity from undertaking to grant relief in such cases. But in the varying circumstances under which the employer's rights to such relief are presented, it often happens that adequate protection is possible by restraining the employes from refraining to do acts which they have conspired and combined to do, and the inhibiting of which secures the relief to which the employer is clearly entitled. By such modes of procedure courts of equity are often able to afford protection where they could not do it by attempting to enforce specific performance. But it is urged that, while the court might not have had the power to compel performance of service in these cases, it has power to punish for contempt those who refused to obey its orders. But if the court could not compel the employé to perform by continuing in service, it would not be a contempt of court on the employé's part to exercise the right to quit the service. If the employé quits in good faith, unconditionally and absolutely, under such circumstances as are now under consideration, he is exercising a personal right which cannot be denied him. But so long as he continues in the service, so long as he undertakes to perform the duties of engineer, or fireman, or conductor, so long the power of the court to compel him to discharge all the duties of his position is unquestionable, and will be exercised. As hereinbefore intimated, the duties of an employé of a public corporation are such that he cannot always choose his own time for quitting that service, and so long as he undertakes to perform and continues his employment, the mandatory orders of the court to compel all lawful service can reach him and be enforced. The circumstances when this freedom to quit the service continues, and when it terminates, it is not now necessary to determine; but there certainly are times and conditions when such right must be denied.

The cases cited by counsel in which public officers have not been permitted to resign to avoid the mandatory orders of a court do not apply here. A different principle is there involved. In most cases the tenure of office continues until a successor is chosen and qualifies.

It is our duty to deal with the facts of these cases as they are presented. The parties now charged with contempt must be tried on the facts as they have been made to appear, and having fully considered them, I conclude that Engineers Clark, Case, Rutger and Conley, and the firemen, as named, quit the service of the Lake Shore & Michigan Southern Railroad Company under circumstances when they had a right to do so, and that they are not, therefore, in contempt of court because of such conduct, and they will be discharged.

In reaching this conclusion, I have treated these cases as criminal in their character, and given the accused the benefit of the reasonable doubt, especially as to the extent to which they have conspired to act concertedly in quitting service in a way to injure their employer and aid in enforcing a boycott. An act, when done by an individual in the exercise of a right may be lawful, but when done by a number conspiring to injure or improperly influence another, may be unlawful. One or more employes may lawfully quit their employer's service at will; but a combination of a number of them to do so for the purpose of injuring the public and oppressing employes by unjustly subjecting them to the power of the confederates for extorting or for mischief is criminal.

We do not, therefore, here determine that a conspiracy entered into by the employes of one railroad to boycott another railroad may not exist under such circumstances of aggravation as to make it entirely proper for a court of equity in dealing with such conspiracy, to prevent an employé from quitting the service in which he is engaged solely as a means of carrying out his part in such conspiracy, and for no other purpose than to aid in enforcing such boycott.

But the conduct of Engineer Lennon presents quite a different case. He was on his run from Detroit to Air Line Junction with a train of forty-five cars. He reached Alexis station at 10:07 A. M., and was there ordered to take an empty car from the Ann Arbor "Y" for Air Line Junction. This was one of the boycotted cars. He refused to switch the car into the train, and held it there, against positive orders, from 10:07 A. M. to 3:15 P. M., and then proceeded on his run, after receiving a dispatch from the chairman of the grievance committee, which read as follows: "You can come along and handle Ann Arbor cars." That message meant that the boycott had been raised. Though Lennon had been twice ordered by telegraph by the officers of the road to come on with his train, he refused to do it, but promptly moved it when he got permission to do so from one who had no official relation to the company, and no right to interfere with the movement of its trains. When he received the order at Alexis to take the Ann Arbor car, he refused, and said, "I quit." He afterwards agreed with the superintendent of the Detroit division, to take his train to its destination, if the order to take the boycotted car was countermanded. He remained with his engine, and brought his train to Air Line Junction. When he arrived at that point, as the termination of his run, he says in his testimony that "the caller told me when I registered, 'You get 134.' I said 'All right, I'll be up.' It was his duty to give me such notice." Though he claims to have quit at Alexis about ten o'clock in the morning, he brought his train to its destination, and when told what his next run would be, gave no notice of having quit, or intending to quit. This is satisfactory evidence that he did not quit in good faith in the morning, but intended to continue in the company's service, and that his conduct was a trick and device to avoid obeying the order of the court. He admitted having seen the court's order when confronted with it at Alexis. I can not conceive of any principle of law under which such conduct can be justified. An engineer cannot be permitted to pretend to quit the service of his company in the manner stated, with his train on the main track ten miles from its destination, and for the evident purpose of evading an order of court which was equally in force against employer and employé.

If such an abandonment of service could be excused in law, it would leave this great corporation, operating 1,500 miles of railway, and moving several hundred trains of cars per day, at the mercy of its employés, and subject the public, with its multitude of interests and rights, to irremediable injuries and losses.

Upon the facts of the case made against Engineer James Lennon, I find that he did not quit the service of the company in fact, and did not intend to do so, and that his pretense to do so was a trick to evade the order of the court. Being in the service of the company when he refused to switch the Ann Arbor car into the train at Alexis, and having then full knowledge of the terms and meaning of the order of the court, that order was then in full force, and commanded him to do the very thing which he refused to do. He therefore deliberately and knowingly violated the mandate of the court, and was guilty of contempt.

I accept the protestations of Mr. Lennon, made under oath, that he did not intend to disobey the orders of the court, and did not believe he was violating the laws of the United States. He is a member of the Brotherhood of Locomotive Engineers, and supposed that while acting under its rules he was not arraying himself against the laws of his country. This suit has afforded the courts an opportunity for declaring the laws applicable to such emergencies, and the public interests have been thereby subserved. This does not, therefore, seem to me to be the occasion when it would be wholesome or wise to administer an exemplary punishment. The object of the court is to uphold and vindicate the laws, without, under these circumstances, showing a disposition to oppress or punish those who have evidently been misled.

With these views of my duty, an order will be entered that the accused, James Lennon, stands adjudged as guilty of contempt, and pay a fine of \$50 and the costs of this proceeding, upon payment of which he will be discharged from the further orders of the court.

The orders made in this case as to all the connecting roads and their employés who have continued in the service are still in full force, and it is but just to all concerned that the court should say that the laws and orders having now been fully interpreted and made public, any violation thereof that may hereafter be made will be dealt with in a spirit and purpose quite different from that which has controlled us in this case.

Alex. L. Smith, of Toledo, for complainant; George C. Greene, of Buffalo, E. D. Potter, Jr., of Toledo, for L. S. & M. S. R. R. Co.; E. W. Tolerton, of Toledo, for Penn. Co.; Frank H. Hurd and Jas. H. Southard, of Toledo, for accused engineers and firemen.

U. S. CIRCUIT COURT, N. D. O., W. D.

The Toledo, Ann Arbor & Northern Michigan Railway Company v. The Pennsylvania Company et al.

1. Circuit courts of the United States have jurisdiction of a bill in equity to restrain violations of the interstate commerce law to the irreparable injury of complainant, because of the subject matter, and without regard to the diverse citizenship of the parties.

2. A combination to procure or compel a common carrier corporation subject to the provisions of the interstate commerce act, to refuse to receive, handle and haul interstate freight from another like common carrier, in order to injure the latter, is a combination or conspiracy to commit the misdemeanor described in section 10 of the interstate commerce act, and if any person engaged in it does an act in furtherance thereof, all combining for the purpose are guilty of criminal conspiracy as denounced by section 5440, Rev. Stat. U. S.

3. If the common carrier company against whom such a conspiracy is directed, is injured by acts done in furtherance of it, it has a cause of action for its loss against all of those engaged in the conspiracy.

4. The injury which will be caused to the common carrier against which such a conspiracy is directed, will be irreparable, and in order to prevent this and maintain the *status quo* until full relief can be granted, a preliminary mandatory injunction will issue against the company and its employes threatening the injury, restraining them from refusing to afford the proper interchange of the interstate freight and traffic facilities.

5. The employes, while in the employ of the defendant company, must obey this mandatory injunction, but may without contempt of court avoid or evade obedience thereto by ceasing to be such employes. Otherwise the injunction would, in effect, be an order compelling the employes to continue the relation of servant to the complainant, a kind of order never yet issued by a court of equity.

6. A prohibitory injunction may issue against the chief member of such a conspiracy as that above described, to restrain him from giving the order and signal which will result and is intended to result in the unlawful and irreparable injuries to the complainant. Where such chief member has already issued such an unlawful, wilful and criminal order, the injurious effect of which will be continuing, the court may, by mandatory injunction, compel him to rescind the same, especially when the necessary effect of the order or signal is to induce and procure flagrant violations of an injunction previously issued by the court.

Before Taft, Circuit Judge, and Ricks, District Judge.

The opinion of the court was delivered by Taft, Circuit Judge.

This is a motion by the complainant, the Toledo, Ann Arbor & Northern Michigan Railway Company, for a temporary injunction—to remain in force pending this action—against P. M. Arthur, chief executive of the Brotherhood of Locomotive Engineers, and a defendant herein, to restrain him from issuing, promulgating or continuing in force any rule or order of said brotherhood, which shall require or command any employes of any of the defendant railway companies herein, to refuse to handle and deliver any cars of freight in course of transportation from one state to another, to the complainant, or from refusing to receive and handle cars of such freight which have been hauled over complainant's road, and also from in any way directly or indirectly endeavoring to persuade or induce any of the employes of the defendant railway companies, whose lines connect with the railroad of the complainant, not to extend to said company the same facilities for interchange of interstate traffic as are extended by said companies to other railway companies. A temporary restraining order to this effect was issued by me against Arthur *ex parte*. A hearing has since been had, and the question now is whether on the evidence produced, the order shall be continued in force until the final decision of the case.

The original bill was filed against eight railway companies and the superintendents of two of them, and averred that the defendants, who were operating lines of railway connecting with that of the complainant company at Toledo, had threatened to refuse to receive from and to deliver to the complainant company interstate freight, on the ground that their locomotive engineers, who were members of the brotherhood, would

refuse to haul or handle the same, because complainant employed on its line engineers who were not members of the brotherhood; and the bill further averred that if the threat was carried out, it would work an irreparable injury to the complainant, for which damages could not be estimated, and the law offered no adequate remedy. The prayer of the bill was for an order enjoining the defendant companies, their employes and servants, from refusing to receive and deliver complainant's interstate freight. A temporary order as prayed for was issued by Judge Ricks. An amendment to the bill was afterwards filed making two new defendants, P. M. Arthur and F. P. Sargent. Sargent, it subsequently appeared, was a non-resident of the district, and the bill as against him was dismissed for want of jurisdiction. As to Arthur, the amendment charges that he, as chief of the brotherhood, exercises a controlling influence upon its members in all matters treated by its rules and regulations; that one of its rules requires all its members in the employ of any railway company, whenever an order to that effect shall be given by its said chief officer, to refuse to receive, handle or carry cars of freight from any other railroad company whose employes, member of said association, have engaged in a strike; that such a strike has been declared against the complainant by the members of the brotherhood with Arthur's consent and approval; that Arthur now publicly announces that unless complainant shall submit to the demands of its striking employes, he will order the rule above stated enforced; that the rule is in direct contravention of the interstate commerce law, and is intended to induce the employes of the defendant companies to violate that law and the previous order of this court, and that Arthur with others is conspiring to that end.

The jurisdiction of this court to hear and decide the case made by the bill cannot be maintained on the ground of the diverse citizenship of the parties. If it exists, it must arise from the subject matter of the suit. The bill invokes the chancery powers of this court to protect the complainant in rights which it claims under the act of congress passed February 4, 1887, (24 Stat. L. 529), known as the interstate commerce act, and an act amending it passed March 2, 1889. (25 Stat. L. 855). These acts were passed by congress in the exercise of the power conferred on it by the federal constitution, (Art. 1, Sec. 8, Par. 3), "to regulate commerce with foreign nations, among the several states and with the Indian tribes." Counsel for defendant Arthur contend that the interstate commerce law and its amendments are only declaratory of the common law, which gave the same rights to complainant, and that, therefore, this is not a case of federal jurisdiction. The original jurisdiction of this court extends by act of congress August 13, 1888 (25 Stat. L. 433), to "all suits of a civil nature, at common law, or in equity where the matter in dispute exceeds, exclusive of interest and costs, the sum or value of \$2,000, and arising under the constitution or laws of the United States." The bill makes the necessary averment as to the amount in dispute. It is immaterial what rights the complainant would have had before the passage of the interstate commerce law. It is sufficient that congress in the constitutional exercise of power, has given the positive sanction of federal law to the rights secured in the statute, and any case involving the enforcement of those rights is a case arising under the laws of the United States.

The Brotherhood of Locomotive Engineers is an association, organized in 1863, whose members are locomotive engineers in active service in the United States, Mexico and the Dominion of Canada. Their number is 35,000. The engineers engaged with the defendant companies are most of them members of the Brotherhood. The purpose of the Brotherhood is declared in its constitution to be, "more effectually to combine the interests of locomotive engineers, to elevate their standing as such and their character as men. These ends are sought to be obtained by requiring that every member shall be a man of good moral character, of temperate habits, and a locomotive engineer in actual service with a year's experience, and by imposing the penalty of expulsion upon any member guilty of disgraceful conduct of drunkenness, of neglect of duty, of injury to the property of the employer, or of endangering the lives of persons. A mutual insurance association is supported in connection with the Brotherhood, in which every member is required to carry a policy, and there is an efficient employment bureau for the members. A strong and complete organization is maintained for the systematic government of the Brotherhood and its rules are well adapted to the establishment and carrying out general and local plans with respect to the terms of employment of its members. Submission to these plans when once adopted by requisite vote, is required of every member on penalty of expulsion.

The management of the controversies with employer companies is immediately with a chairman of a standing general adjustment committee for the particular railroad system involved, and afterwards with the grand chief. The grand chief has large judicial executive powers. He is the ultimate authority always called in to adjust differences between members and their employer, and he is one to who appeals are

made to settle disputes arising between members and subdivisions. He is also the head of the insurance company.

Early last month, the superintendent of complainant company refused to grant a demand by its engineers for higher wages. After some unsuccessful attempts at negotiation, Arthur, who had been called in, consented to the strike, which had previously been voted by two-thirds of the brotherhood men in complainant's employ. As soon as the men went out on March 7, Arthur sent to eleven chairmen of the general committees, on as many different railroad systems in Ohio and the neighboring states, the following dispatch:

"There is a legal strike in force upon the Toledo, Ann Arbor & Northern Michigan railroad. See that the men on your road comply with the laws of the brotherhood. Notify your general manager."

A "legal" strike, in brotherhood parlance means one consented to by the grand chief. His consent is necessary under the rules of the order to entitle the men, thus out of employment, to the three months' pay allowed to striking members. Arthur admits that the particular law to which he referred in this dispatch was one adopted by the brotherhood at Denver three years ago, but which is not published in the printed copy of the constitution and by-laws. It is as follows:

"*Twelfth*—That hereafter, when an issue has been sustained by the grand chief and carried into effect by the B. of L. E., it shall be recognized as a violation of obligation for a member of the Brotherhood of Locomotive Engineers' Association, who may be employed on a railroad running in connection with, or adjacent to said road, to handle the property belonging to said railroad or system in any way that may benefit said company in which the B. of L. E. is at issue until the grievance or issue of whatever nature or kind has been amicably settled."

It is quite clear from the evidence that "a violation of obligation" is the highest offense of which a member can be guilty and merits expulsion. In obedience to Arthur's direction it appears that several general managers were notified of the intention to enforce the rule. Watson, the chairman of the adjustment committee on the Lake Shore system, sent the general manager of that system the following telegram:

"We ask you in the interests of peace and harmony not to ask your engineers to handle Toledo, Ann Arbor & Northern Michigan freight business after 6 o'clock, March 8th, as the engineers and firemen of said road go out on a strike."

Through the intervention of the Ohio Labor Commissioner, Wm. Kirkby, negotiations for an adjustment began between Arthur and the local Brotherhood committee, on the one side, and the complainant on the other. Kirkby refused to take part until the embargo laid on complainant's freight was raised. Accordingly on March 11, in Arthur's absence, his assistant sent in Arthur's name the following dispatch to chair-of-adjustment committees:

"Pending negotiations with the president of the Toledo & Ann Arbor road, resolution 12, page 45, of ritual is suspended. In case negotiations fail, you will be promptly notified."

Arthur says he did not know of this dispatch when sent, but that he subsequently approved it. On March 13th, as a result of the negotiations referred to in the telegram of March 11th, the following paper was signed by Arthur and others for the striking engineers:

"We, the undersigned, late employes of the motive power department of the Toledo & Ann Arbor railroad, have authorized our chief executive officers to withdraw the embargo against connecting roads. Should we be reinstated, we hereby agree, each for himself, to submit to Wm. Kirkby, railroad commissioner, as our representative in all matters of grievances touching orders issued by officials, with authority to confer with Governor Ashley, president of the Toledo & Ann Arbor railroad, and we hereby agree to abide by their concurrent decision. This will also include the return of the men without prejudice and the rates of pay to be agreed upon."

A schedule of wages was agreed upon, but the negotiations were subsequently broken off because the striking engineers refused to consent to a requirement that applications in writing should be made for employment by each one of their number. Thereupon, on March 16, Arthur sent to the committee chairman the following dispatch:

"All efforts to effect an honorable settlement of the grievances of the engineers and firemen on the Toledo, Ann Arbor & Northern Michigan railroad have failed. See that your men comply with the laws of the brotherhood. Notify your general manager."

The result of this was that engineers, members of the brotherhood, did refuse to handle complainant's freight on connecting lines for a short time, and, in several instances quit the service rather than do so. On the 17th of March, the temporary restraining order issued by me and the above referred to, was served on Arthur. He was therein commanded to rescind any order he might have promulgated to engin-

ers on connecting lines to refuse to handle complainant's freight. Under advice of counsel, he obeyed and sent a dispatch to committee chairmen rescinding his previous dispatch of March 16. This had the effect to lift the "embargo," so called.

The result of this evidence is that the members of the Brotherhood of Locomotive Engineers have, by the adoption of Rule 12, made an agreement among themselves that whenever any of their comrades, with the consent of Arthur, leave the employ of one company because the terms of employment are unsatisfactory, the members employed by companies operating connecting lines will inflict an injury on the first company by preventing as far as possible the first company from doing any business as a common carrier, involving the interchange of freight with connecting lines. The engineers of the connecting lines are to accomplish this purpose—first, by refusing to handle the freight of the offending company, and second, if necessary, by quitting the service to avoid handling it, in order that the connecting companies, by fear of the evil effects of a strike upon their own business, will be compelled to join with their engineers in a refusal to handle the offending company's freight, and inflict the injury which is the main purpose of the combination. In this connection, should be noted, in Arthur's telegrams of March 7 and 16, directing the enforcement of Rule 12, the significance of the sentence, "notify your general manager," and the language of Watson's dispatch to the general manager of the Lake Shore system. These notifications were threats to the connecting companies which it was hoped would lead them to assist in injuring complainant's company. No such notice was thought necessary when Rule 12 was suspended.

Rule 12 is not operative until a strike has been declared with the consent of Arthur. Arthur states that there is nothing in the rules requiring him to communicate with the committee chairmen as he did, and that the rule would execute itself. But it is obvious that, as under the rule he must declare a strike "legal" before its consequences follow, he is the person upon whom devolves the task of authoritatively advising the rest of the brotherhood through their immediate chairman, that the time has come for the enforcement of the rule, and the injury of the offending company. That he and the members of the brotherhood recognize this as a necessity, is clear from the evidence of Watson and what actually occurred here. On March 8, the rule was enforced by his order. On March 11, the rule was suspended by an order issued in his name. On March 16, the rule was again enforced by telegraphic order from him, and upon March 18, the enforcement rule was again suspended. Arthur says that neither he nor his assistant had power, under the constitution and by-laws of the Brotherhood, to suspend the enforcement of Rule 12, and that the dispatch of March 12, doing so, was an unconstitutional assumption of power on his part. We are not called upon to construe the constitution and laws of the Brotherhood, except so far as they reflect on the actual power exercised by Arthur in the enforcement of Rule 12. It suffices to say that so much of the governing law of the Brotherhood as we have seen, invests Arthur with wide powers and a great influence over the actions of his subordinates, and that in the practical exercise of his power he has twice both directed and suspended the enforcement of Rule 12.

It will be convenient in discussing the question whether any relief can properly be given to complainant against Arthur, to consider Rule 12 and the acts done or to be done in pursuance thereof; first in the light of the criminal law; second, with reference to their character as civil wrongs, and, third, with reference to the remedies which a court of equity may afford against them.

First, The complainant and defendant companies are common carriers subject to the provisions of the interstate commerce act, and the business exchanged between them is averred by the bill to be nearly all interstate freight. The second paragraph of the third section of the act provides that:

"All common carriers subject to the provisions of this act shall, according to their respective powers, afford all reasonable, proper and equal facilities for the interchange of traffic between their respective lines, and for the receiving, forwarding and delivery of passengers and property to and from their several lines and those connecting therewith, and shall not discriminate in their rates and charges between such connecting lines."

Sec. 10 of the act as amended (25 Stat. L. 855) provides that:

"Any common carrier subject to the provisions of this act, or, whenever such common carrier is a corporation, any director or officer thereof, or any receiver, trustee or lessee, agent or person acting for or employed by such corporation, who, alone, or with any other corporation, company, person or party . . . shall willfully omit or fail to do any act, matter or thing in this act required to be done, or shall cause or willingly suffer or permit any act, matter or thing, so directed or required by this act to be done, not to be done, or shall aid or abet such

omission or failure . . . shall be deemed guilty of a misdemeanor, and shall upon conviction thereof in any district court of the United States within the jurisdiction of which such offense was committed, be subject to a fine of not to exceed \$5,000."

Under this section it would seem clear that the engineers of the defendant companies, refusing to handle interstate freight of complainant, are guilty of a misdemeanor, and subject to criminal prosecution.

But even if section 10 in terms subjected to punishment only the common carrier company yet it is quite clear that any one, though not a common carrier aiding, abetting, procuring, or compelling the common carrier to violate the section would be punishable under it as a principal. Thus in *United States v. Snyder*, 14 Fed. Rep. 554, under a statute making it a crime for a postmaster to render a false report to the government of his receipts, one who aided, abetted and procured a postmaster to send such a report, was found guilty as principal of violating the statute, and the conviction was sustained by Judges McCrary and Nelson, in an opinion citing authorities, fully justifying their conclusion.

It is, therefore, evident that Arthur and the other members of the Brotherhood, if successful in procuring the defendant companies to refuse to handle interstate freight from complainant company, would be guilty of violating section 10, and punishable as principals thereunder.

Sec. 5440, R. S., provides that—

"If two or more persons conspire . . . to commit any offense against the United States . . . and one or more parties do any act to effect the object of the conspiracy all the parties to such conspiracy shall be liable to a penalty of not more than ten thousand dollars, or to imprisonment for not more than two years, or to both fine and imprisonment, in the discretion of the court."

All persons combining to carry out Rule 12 of the Brotherhood against the complainant company, if any one of them does an act in furtherance of the combination, are punishable under the foregoing section. This is true, because as already shown, the object of the conspiracy is to induce, procure and compel the defendant companies to refuse equal facilities to the complainant company for the interchange of interstate freight, which, as we have seen, is an offense against the United States by virtue of section 10 above quoted. For Arthur to send word to the committee chairman to direct the men to refuse to handle interstate freight of complainant, and to notify the defendant companies with the intention of procuring them to do so, all in execution of Rule 12, is an act in furtherance of the conspiracy to procure the defendant companies to commit a crime, and subjects him and all conspiring with him to the penalties of Sec. 5440, Rev. Stat. Again, for the men in furtherance of Rule 12, either to refuse to handle the freight or threaten to quit, or actually to quit, in order to compel, procure or induce the defendant companies to violate the penal section of the interstate commerce law would constitute acts in furtherance of the conspiracy which would render them also, liable to the penalty of the same section.

But it is said that it cannot be unlawful for an employé either to threaten to quit or actually to quit the service when not in violation of his contract, because a man has the inalienable right to bestow his labor where he will, and to withhold his labor as he will. Generally speaking, this is true; but not absolutely. If he uses the benefit which his labor is or will be to another, by threatening to withhold it, or agreeing to bestow it, or by actually withholding it or bestowing it, for the purpose of inducing, procuring or compelling that other to commit an unlawful or criminal act, the withholding or bestowing his labor for such a purpose is itself an unlawful and criminal act. The same thing is true with regard to the exercise of the right of property. A man has the right to give or sell his property where he will; but if he give or sell it, or refuse to give or sell it, as a means of inducing or compelling another to commit an unlawful act, his giving or selling it, or refusal to do so, is itself unlawful.

Herein is found the difference between the act of the employés of the complainant company in combining to withhold the benefit of their labor from it, and the act of the employés of the defendant companies in combining to withhold their labor from them, that is, the difference between a strike and a boycott. The one combination, so far as its character is shown in the evidence, was unlawful because it was for the lawful purpose of selling the labor of those engaged in it for the highest price obtainable and on the best terms. The probable inconvenience or loss which its employés might impose on the complainant company by withholding their labor, would, under ordinary circumstances, be a legitimate means available to them for inducing a compliance with their demands. But the employés of defendant companies are not dissatisfied with the terms of their employment. So far as appears, those terms work a mutual benefit to employer and employed. What the employés propose to do is to deprive the defendant companies of the benefit thus accruing from their labor, unless the companies will

consent to do a criminal and unlawful injury to the complainant. Neither law nor morals can give a man the right to labor or withhold his labor for such purpose.

We have thus considered with some care the criminal character of Rule 12 and its enforcement, not only because, as will presently be seen, it assists in determining the civil liabilities which grow out of them, but also because we wish to make plain if we can, to the intelligent and generally law abiding men who compose the Brotherhood of Locomotive Engineers, as well as to their usually conservative chief officer, what we cannot believe they appreciate, that notwithstanding their perfect organization and their charitable, temperance and other elevating and most useful purposes, the existence and enforcement of Rule 12, under their organic law, make the whole Brotherhood a criminal conspiracy against the laws of their country.

Second. We now come to the character of Rule 12, and its enforcement as a civil wrong to complainant. Lord Justice Fry said, in the case of the Mogul Steamship Company v. McGregor, Gow & Co., L. R. 23 Q. B. D., 598, 624.

"I cannot doubt that whenever persons enter into an indictable conspiracy, and that agreement is carried into execution by the conspirators by means of an unlawful act of acts which produce private injury to some person, that person has a cause of action against the conspirators." See also Buffalo Lubricating Oil Co. v The Standard Oil Company, 106 N. Y. L. 609, and Moores v. The Bricklayers' Union, 23 Weekly Law Bull. 48.

Under the principle above stated, Arthur, and all the members of the Brotherhood engaged in causing loss to complainant, are liable for any actual loss inflicted in pursuance of their conspiracy.

It is to be observed that the gist of any such action must be, not in the combination or conspiracy, but in the actual loss occasioned thereby. No civil liability arises simply because of the Rule 12 or its attempted enforcement, unless injury is done.

The fact is that ordinarily the only difference between the civil liability for acts done in pursuance of a conspiracy and for acts of the same character done by a single person is in the greater probability that such acts when done by many in a combination will cause injury. It would seem clear that if a single engineer of one of the defendant companies, acting alone, and with intent to injure the complainant, should actually cause the complainant loss by refusing to handle its interstate freight, complainant could maintain a right of action against him for damages. The refusal on his part would be a wrongful and illegal act under the interstate commerce law and, as said by Lord Justice Brett, in *Bowen v. Hall*, 6 Q. B. D. 333-337, "Whenever a man does an act which in law and in fact is an unlawful act, and such an act as may, as a natural and probable consequence of it, produce injury to another, and which in the particular case does produce such an injury, an action on the case will lie." And so, if a single engineer, with intent to injure complainant, could by threatening to quit or by actually quitting for the purpose, procure or induce the defendant company in whose employ he is actually to inflict a loss upon complainant, by unlawfully refusing to interchange interstate freight, complainant could hold him civilly liable for the loss. By section 8 of the interstate commerce law, the complainant is expressly given a cause of action in damages against any connecting common carrier company for such a loss, and it is clear upon the authorities that any one intentionally procuring the connecting company to inflict such loss, would be equally liable.

Thus, in *Walker v. Cronin*, 107 Mass. 515, the supreme judicial court of that state sustained an action for damages by the plaintiff, who was a shoe manufacturer, against the defendant, for inducing plaintiff's employes to break their contracts of service with him to his injury. In *Lumley v. Gye*, 2 Ellis & Blackburn, 215, it was held that the plaintiff could recover damages from the defendant for procuring a third person, with whom the plaintiff had made a contract, to break the contract, when such procuring was with the intention of injuring the complainant. The same principle was announced in *Bowen v. Hall*, 6 Q. B. D. 333-337, and has been followed in other cases, and the doctrine has been applied even where there was no binding contract, but only the probability that one, though not binding, would be performed. See *Rice v. Manley*, 66 N. Y. 82, and *Benton v. Pratt*, 2 Wend. 385.

If a person, with rights secured by a contract, may, in case of loss, recover damages from one not a party to the contract, who, with intent to injure him, induces a breach of it, *a fortiori* can one whose rights are secured by statute, recover damages from a person who, with intent to injure him, procures the violation of those rights by another and causes loss. The difficulty in supposing or stating any civil liability, when the acts we have been discussing are done by a single engineer, is in the improbability that either by singly refusing to handle the freight, he could cause any injury to complainant, or by singly threatening to quit, or by quitting, he could procure his company to do so. But when we suppose that all or nearly all the engineers on the eight different

defendant companies combine with their chief to do these unlawful acts for the purpose of injuring complainant, the intended loss becomes not only probable but inevitable.

Third, Having thus shown that Arthur and all the members of the Brotherhood with him, conspiring to enforce Rule 12 to injure complainant, will be liable in damages to complainant for any loss that may thereby occasion, the question remains, can equity afford any relief to prevent the loss?

It is not disputed that if Arthur and the members of the Brotherhood succeed wholly or partially in preventing the defendant companies from handling the interstate freight of the complainant, the injury to complainant's business will be irreparable, and the difficulty of estimating the damages will render the action at law for them against Arthur and the engineers an inadequate remedy. Nor is there any evidence before the court to show that if the restraining order against Arthur heretofore granted is now dissolved, Arthur and the Brotherhood will not enforce Rule 12 and inflict loss and injury upon the complainant.

We have here, then, the usual ground for the exercise of equity jurisdiction, and the plaintiff certainly has, therefore, the right to invoke the equity powers of the court to protect it against the injury threatened.

How far may a court of equity go to prevent the injury by preliminary injunction against Arthur? We shall be assisted in answering the question by considering, first, what the court may do by injunction against the defendant companies and against the engineers. The office of the preliminary injunction in equity is to preserve the *status quo* until, upon final hearing, the court may grant full relief. Generally this can be accomplished by an injunction prohibitory in form, but it sometimes happens that the *status quo* is a condition not of rest but of action, and that the condition of rest is exactly what will inflict the irreparable injury upon complainant which he appeals to a court of equity to save him from. In such a case courts of equity do issue mandatory writs before the case is heard on its merits. High on Injunction, sec. 2. Now the normal condition, the *status quo* as between connecting common carriers under the interstate commerce law, is a continual passage of freight backward and forward between them, exactly as the normal condition of a mill race is a swift current. For one carrier to refuse to interchange freight, is analogous to one's damming up the mill race. In the latter case, courts of equity, since Lord Thurlow's time, if the damage is likely to be irreparable, have by preliminary order, enjoined obstruction to the passage of the water. *Robinson v. Lord Byron*, 1 Brown's Ch. C. 588. So in the former case an obstruction to the flow of interstate freight must be preliminarily enjoined, even though it requires a mandatory injunction.

As against the defendant companies, the complainant is, therefore, clearly entitled to a preliminary mandatory injunction to compel them to discharge the duties imposed by the interstate commerce law and to interchange with complainant interstate freight. This was expressly decided by Judge Love, of the Iowa district, in a well considered opinion in the case of the C. B. & Q. R. R. Co. v. The Burlington, C. R. & N. Ry. Co. *et al.*, 34 Fed. Rep. 481. And in analogous cases, where it has been sought to enforce the common law obligation of a common carrier, the preliminary mandatory injunction has frequently been issued. Thus, in the case of *Coe v. The L. & N. R. R.*, 3 Fed. Rep. 775, Judge Baxter issued a preliminary mandatory injunction to compel the defendant railroad company to deliver and receive cattle at a particular cattle yard. See also *Chicago & A. Ry. Co. v. The New York, L. E. & W. Ry. Co.*, 24 Fed. Rep. 516; *Wolverhampton & Wallall Railway Company v. The London & Northwestern Ry. Co.*, L. R. 16 Eq. 433; *Denver & N. O. R. R. Co. v. Atchinson, T. & S. F. R. R. Co.*, 15 Fed. Rep. 650; *Scofield v. The Lake Shore & Michigan Southern Ry. Co.*, 43 Ohio St. 571.

The interstate commerce law itself recognizes the duties therein imposed to be of such a character as to warrant a remedy by enforced specific performance, for in summary equity proceedings, at the instance of the interstate commerce commission, provided by section 16 as amended in 1889, express power to issue injunctions mandatory or otherwise to prevent violations of the orders of the commission, is given to circuit courts. In addition to that, a remedy by mandamus in the district and circuit courts expressly denominated cumulative, is given to an interested person, to compel compliance by a common carrier with the provisions of the act.

If a mandatory injunction may issue against the defendant companies to prevent irreparable injury, it may certainly issue against the officers, agents, employes and servants of those companies. This is the usual form in equity of the writ of injunction against a corporation, and it is necessarily so in order to enable the court to enforce its writ. A corporation acts only through its officers and employes, and it is through them only that its action can be restrained or compelled. See *Mexican Ore Company v. Mexican Guadalupe Mining Company*, 47 Fed. Rep. 351, 356. While doing the work of the com-

pany, the employé is the company, and, having notice of a mandate from a court of competent jurisdiction as to how that work must be done, he must in his work obey the mandate. Especially in enforcing the provisions of the interstate commerce law, is there no doubt of the power of the court to make its mandatory injunction against a common carrier corporation, run also against its officers, agents and employés. They are fully identified with the corporations whom they serve while in the service, for they are made criminally liable when aiding or abetting the corporation in any violation of the law. As long as they remain in the employ of the common carrier, they must therefore obey the mandatory injunction against the company whom they serve, or be in contempt of court. But it seems clear that they may avoid or evade obedience to the injunction by actually ceasing to be employés of the company. Otherwise the injunction is in effect an order on them to remain in the service of the company, and no such order was ever, so far as the authorities show, issued by a court of equity.

I concede that if they quit the service of the company in execution of Rule 12, to procure defendant companies, injure the complainant company, they are doing an unlawful act, rendering themselves liable in damages to the complainant if any injury is thereby inflicted, and they may be incurring a criminal penalty, as already explained, but, no matter how inadequate the remedy at law, the arm of the court of equity cannot be extended by mandatory injunction to compel the performance of a contract for personal service as against either the employer or the employed. *Stock v. Brockenbank*, 3 Mac. & G. 250; *Johnson v. Shrewsbury*, R. C. 3 DeGex, M. & G. 914; *Pickering v. The Bishop of Ely*, 2 Y. & C. C. 249; *Lumley v. Wagner*, 1 DeGex, M. & G. 604.

The reason for the rule is obvious. It would be impracticable to enforce the relation of master and servant against the will of either. Especially is this true in the case of railway engineers where nothing but the most painstaking and devoted attention on the part of the employé will secure a proper discharge of his responsible duties. It would even seem to be against public policy to expose the lives of the traveling public and the property of the shipping public to the danger which might arise from the enforced and unwilling performance of such a delicate service.

The argument is made that, as great public interests are dependent on the continuous performance by common carriers of their duties, equity should intervene by injunction to prevent the crippling of those public agents by unlawful strikes. If the enforced service of unwilling employés is the proper remedy for this evil, then it is for the legislature and not for the courts of equity to adopt. It is true that remedies in courts of equity expand and progress to meet the wants of changing civilization and conditions, but that expansion and progression are along well defined lines, and the enforced specific performance of a contract of service would be a marked departure from the precedents to be found in a century of equitable relief.

We finally reach the question whether, in view of the foregoing, this court can enjoin Arthur from inciting, inducing or procuring the members of the brotherhood in the employ of defendant companies, to carry out Rule 12, and refuse to handle complainant's freight. We have no doubt of it. For him to do so will be to cause an unlawful, irreparable injury to complainant, and will be to induce, on the part of the employés, a violation of the mandatory order of this court. Either of these grounds is ample for the exercise upon him of the restraining power of a writ of injunction. Reason and the authorities hereafter cited would warrant us in going further if necessary. While it is true that the engineers in the employ of defendant companies, may not be enjoined from quitting the service of those companies, there is no rule of equity which prevents the court from enjoining Arthur from advising, inducing, or procuring such employés, in pursuance of Rule 12, to quit the service of defendant companies, for the purpose of causing a wrongful, criminal and irreparable injury to the complainant. The effect would be, not to compel the employés to remain in the service of the defendant companies against their will, but it would be to keep from them a wrongful influence which, if exerted, would be likely to cause such an injury. It is immaterial whether the step to be taken by Arthur is merely ministerial, as is said, or whether it involves discretion on his part. The operation of the rule as against complainant is unlawful, will do it irreparable injury, and therefore, with the exception already noted, every step in its enforcement may be enjoined.

The rule is properly denominated a "boycott" rule, and the cases where courts of equity have enjoined boycotts are numerous. Thus in *Springhead Spinning Co. v. Riley*, L. R. 6 Eq. 551, an injunction was granted against officers of a trade union to prevent them from giving notice to workmen, by means of placards, that there was a strike at plaintiff's works, and that they should not work there. In *Sherry v. Perkins*, 147 Mass. 212, defendant members of a trade union were restrained from displaying a banner announcing a strike and requesting workmen to stay away. A similar order was issued by Judge Sage in *Casey v. Typographical Union*, 45 Fed. Rep. 135.

See also *Steamship Company v. McKenna*, 30 Fed. Rep. 48; *Coeur D'Alene Consolidated and Mining Co. v. The Miners' Union*, 51 Fed. Rep. 260; *Emack v. Paine*, 34 Fed. Rep. 47; *United States v. Cane*, 23 Fed. Rep. 748.

It was suggested in argument that an injunction would not issue against the commission of a crime. The rule thus broadly stated has sometimes been announced, but it will be found on examination of the cases that it applies only where the injury about to be caused is to the public alone, and where the proper remedy is by criminal proceedings.

Where an unlawful injury to private rights is threatened, and irreparable injury is likely to ensue, equity will enjoin on behalf of the person whose rights are to be invaded notwithstanding the fact that a criminal proceeding on behalf of the public for the same act, will also lie. *Springhead Spinning Co. v. Riley*, L. R. 6 Eq. 551; *High on Injunctions*, sec. 20, and cases cited.

In closing, allusion should be made to that part of the original restraining order herein which compelled Arthur to rescind the direction he had already given for the enforcement of Rule 12. It was mandatory in its character, and therefore unusual; but precedents in equity abundantly justify it. The effect of Arthur's act was continuing in its force, and would in the immediate future have caused the injury which complainant had the right to be protected against. There was absolutely no way of maintaining the *status quo* between the parties (which is the proper office of a preliminary injunction), but by compelling at once a rescission of Arthur's act. Had its effect been allowed to continue, future equitable relief would have been entirely futile. The whole injury would have been done. The rule governing the court in such cases is stated as follows, in *High on Injunctions*, section 2:

"And where there is a willful and unlawful invasion of plaintiff's right, against his protest and remonstrance, the injury being a continuing one, a mandatory injunction may be granted in the first instance." See *Robinson v. Lord Byron*, 1 Brown Ch. Cases, 588; *Hervey v. Smith*, 1 Kay & J., 392; *Whitecar v. Michenor*, 37 N. J. Eq. 6; *Broome v. N. Y. & N. J. Co.*, 42 N. J. Eq. 141.

The present was an extreme case. The injury threatened was willful, wrongful and criminal, and a mandate, though not a frequent remedy, was necessary, and could by no possibility, under the circumstances, work injury to any one.

It should be added, as another and all sufficient ground for requiring Arthur to rescind his telegraphic order of March 16, that it was in direct conflict with the mandatory injunction of this court issued March 11, and would, if not withdrawn, have induced flagrant violations of that injunction. Arthur says that he had no knowledge of the injunction of March 11. This is very surprising, if true, in view of Arthur's interest in the subject, and the wide publicity given to that order; but it is entirely immaterial whether he knew of the order or not. It is sufficient that his telegram would, in fact, procure a violation of the courts order to justify the court in preventing further conflict by compelling him to withdraw it.

The motion for a temporary injunction against defendant Arthur is allowed as prayed for.

SUPREME COURT OF THE UNITED STATES.—OCTOBER TERM 1893
—TERM NO. 925.

EX PARTE IN THE MATTER OF JAMES LENNON, APPELLANT.

Appeal from Decree of Circuit Court of the United States Denying Application for Writ of Habeas Corpus.

To the Supreme Court:

As this proceeding is *ex parte* and the Lake Shore and Michigan Southern railway company, upon whose representation to the circuit court the proceedings against Lennon were instituted and prosecuted, has not in any manner been made a party to nor been cited or notified to appear in this proceeding now pending, I do not know that I, representing that railway company, have any right to appear or be heard therein.

However, thinking that perhaps the court might deem it proper for me to submit briefly some suggestions upon questions which may properly be considered by the court in the determination of the case, I beg leave to submit, subject to the acceptance and approval of the court, the following.

GEO. C. GREENE,
General Council for the L. S. & M. S. R'y Co.

In the Supreme Court of the United States.—October term 1893.—*Ex Parte*: In the matter of James Lennon, Appellant.—Term No. 925.

I.

It is respectfully submitted that an appeal does not lie to this court from the decree of the circuit court denying the application for *habeas corpus*, or if such an appeal does lie, then only the question of the jurisdiction of the circuit court in the *habeas corpus* proceedings can be certified to or considered by this court.

The act of congress creating the circuit court of appeals provides as follows:

"SECTION 4. * * * The review by appeal by writ of error, or otherwise, from the existing circuit court shall be had only by the Supreme Court of the United States or in the circuit courts of appeals hereby established according to the provisions of this act regulating the same." (26 U. S. Stats., 827).

"SECTION 5. That appeals or writs of error may be taken from the district courts or from the existing circuit courts direct to the Supreme Court in the following cases: In any case in which the jurisdiction of the court is in issue; in such cases the question of jurisdiction alone shall be certified to the Supreme Court from the court below for decision. From the final sentences and decrees in prize causes. In case of conviction of a capital or otherwise infamous crime. In any case that involves the construction or application of the constitution of the United States. In any case in which the constitutionality of any law of the United States, or the validity or construction of any treaty made under its authority, is drawn in question. In any case in which the constitution or law of a state is claimed to be in contravention of the constitution of the United States."

SECTION 14. * * * All acts and parts of acts relating to appeals or writs of error inconsistent with the provisions for review by appeals or writs of error in the preceding sections 5 and 6 of this act are hereby repealed."

(For foregoing provisions of statute, see Desty's Federal Procedure, 8th edition, sections 174, 175, and 187.)

The *jurisdiction of the court is not in issue here*, within the meaning of section 5 of the foregoing statute. This "case" is the case instituted and prosecuted by Lennon for a writ of *habeas corpus*, and not the case of the Toledo, etc., Railroad Company against the Lake Shore and other railroad companies, in which the order committing Lennon for contempt was made.

In that case the question of jurisdiction was raised and in issue and an appeal therein may be taken to the Supreme Court.

But in this case, the application for writ of *habeas corpus*, there is not and cannot be any question as to the *jurisdiction* of the circuit court to grant or refuse the writ.

The appellant seeks in this case to attack collaterally the jurisdiction of the circuit court in the other case.

When a judgment of conviction and sentence is attacked by *habeas corpus* the attack must be treated as collateral, except where, as in the Supreme Court of the United States, the writ is issued in the exercise of its appellate jurisdiction and is accompanied by a writ of *certiorari* to bring up the record and proceedings of the inferior court, and even then the Court disclaims the right to review mere errors and irregularities.

Ex parte Virginia, 100 U. S., 341.

Ex parte Yerger, 8 Wall. 385.

Ex parte Curll, 106 U. S., 521.

Ex parte Curtis, 106 U. S., 371.

My position upon this question is clearly stated and sustained by the decision of this Court in *Carey vs. Houston and Texas Central Railway Company* rendered on the 13th day of November, 1893. The Court, by Chief Justice Fuller, in that case say:

"The judiciary act of March, 3, 1891, in distributing the appellate jurisdiction of the national judicial system between the Supreme Court and the circuit courts of appeals therein established, designated the classes of cases in respect of which each of these courts was to have final jurisdiction (the judgments of the latter being subject to the supervisory power of this Court through the writ of *certiorari* as provided), and the act has uniformly been so construed and applied as to promote its general and manifest purpose of lessening the burden of litigation in this court.

"The fifth section of the act specifies six classes of cases in which appeals or writs of error may be taken directly to this Court, of which we are only concerned with the first and fourth, which include those cases 'in which the jurisdiction of the court is in issue; in such cases the question of jurisdiction alone shall be certified to the Supreme Court

from the court below for decision;' and 'any case that involves the construction or application of the Constitution of the United States.'

"In order to bring this appeal within the first of these classes the jurisdiction of the circuit court must have been in issue in this case, and as appeals of writs of error lie here only from final judgments or decrees, must have been decided against the appellants; and the question of jurisdiction must have been certified. We do not now say that the absence of a formal certificate would be fatal, but it is necessary under the statute, and its absence would have perhaps controlling weight where the alleged issue is not distinctly defined. This record contains no such certificate, nor was it applied for, nor does it appear that the jurisdiction of the circuit court was in issue. Appellants by filing their bill invoked the jurisdiction of the court below over the entire case. The defendants did not contest that jurisdiction, and the court adjudicated accordingly. This is conceded, but it is contended that the question of jurisdiction was in issue, because the bill attacked the jurisdiction of the circuit court over the foreclosure suit, or its jurisdiction to make the decree of foreclosure and sale of May 4, 1888, passed in that suit; *but the fifth section of the act of March 3, 1891, does not authorize a direct appeal to this Court in a suit upon a question involving the jurisdiction of the circuit court over another suit in the same court. It is the jurisdiction of the court below over the particular case in which the appeal from the decree therein is prosecuted that, being in issue and decided against the party raising it, and duly certified, justifies such appeal directly to this court.*

It is respectfully submitted that sections 763 and 764 of the Revised Statutes as amended March 3, 1885, if they gave the right of appeal in such a case as this, have been repealed to that extent by the 14th section of the act creating the circuit court of appeals, above quoted.

I also respectfully submit that section 764 as amended March 3, 1885, does not authorize this appeal. That section provides that "from the final decision of such circuit court an appeal may be taken to the supreme *in the cases described in the preceding section.*"

I submit that the cases described in the preceding section (763) are *cases in which an appeal may have been taken to the circuit court from the final decision of any court, justice or judge inferior to the circuit court upon the application for a writ of habeas corpus or upon such writ when issued, and not to a case where the application was made in the first instance to the circuit court.* (Desty, sections 371, 372).

II.

The questions certified to this court by the circuit court are stated at page 203 of the record and are as follows:

1. Is the suit in which the order was made one arising under the constitution or laws of the United States?
2. Did the court have jurisdiction of the person of the petitioner by reason of his having had sufficient notice of the proceedings and order set out in the petition?
3. Was it beyond the jurisdiction of a court of equity to issue the orders made in said case?

I submit the following answers to these questions:

First, The suit brought by the Toledo and Ann Arbor Company in the circuit court arose under the interstate commerce law of 1887, and was brought solely to enforce compliance with the provisions of that act. The Constitution of the United States gives to Congress exclusive power over the subject matter of the regulation of interstate commerce, and the statute of 1887, passed in the exercise of that power by Congress, must be enforceable by the courts of the United States regardless of the question whether the statute is declaratory of the common law of the states, or whether like remedies might be obtained in the state courts by enforcement of the common law of the state.

There being no common law of the United States and Congress having seen fit to legislate upon the subject of interstate commerce, the rights secured by the statute must necessarily be protected and enforced by the courts of the United States.

"Seeking protection under the law is a case arising under that law." (*Hodgeson vs. Millward*, 3 Grant, 412; *Culp vs. Ricketts*, 5 Grant, 420).

The statement in the appellant's brief, at page 15, in relation to the allegations in the bill of complaint does not fully cover all the allegations, which show that the suit was brought under and to enforce the provision of the interstate commerce law, as will be seen upon referring to the bill, at pages 4, 5 and 6 of the record, and the attention of the court is particularly directed to that part of the bill, which, it is submitted, clearly

shows that the suit was brought for the protection of complainant's right under the laws of the United States, to wit, the interstate commerce law.

Among the rights conferred by that law was the right to compel interchange of traffic and require carriers to extend to other carriers certain facilities for such interchange.

The act also imposed not only upon the carrier, but upon its officers, agents and employes, certain duties in that behalf. The failure to perform such duties and afford to connecting carriers the privileges to which they are entitled under the act would be wrongful and work irreparable injury to complainant, as clearly appears from the allegations contained in the bill of complaint, and the suit was brought to enforce compliance with the law and prevent the perpetration of the threatened wrong by the defendant companies, their officers, agents and employes.

The case therefore arose under the laws of the United States, and the remedy at law being inadequate, the aid of the equity side of the court was properly invoked.

"If a statute of the United States created a new right the remedy will be in equity if the relief thereby afforded is in analogy with a species of relief ordinarily given by equity alone."

(Foster's Fed. Pr., 8), citing 93 U. S., 228; 101 U. S., 216; 105 U. S., 175.

I do not deem it necessary to say anything farther upon this question than to invite the attention of the court to the opinion of Judge Ricks, at pages 207 and 208 of the Record, and at pages 748 and 749, vol. 54, Federal Reporter, and the opinion of Judge Taft in the Toledo and Ann Arbor case at pages 730 and 732, vol. 54, Federal Reporter.

Second, "Did the court have jurisdiction of the person of the petitioner by reason of his having had sufficient notice of the proceeding and orders set out in the petition?"

Whether the petitioner had notice of the injunction order was a question the determination of which was within the jurisdiction of the circuit court, and was a question of fact to be determined by that court upon the evidence presented.

The court heard the testimony of the petitioner and several other witnesses, and upon the proofs found as matter of fact and held that he had such notice and knowledge of the injunction order. That finding of the court upon the evidence is not reviewable here. (Cuddy, Petr., 131 U. S., 280-286.)

"The writ of *habeas corpus* is not to be used to perform the office of a writ of error or appeal." (*Ex parte Tyler*, 149 U. S., 164, 180.)

As *habeas corpus* does not perform the office of a writ of error or an appeal, the facts cannot be re examined or reviewed in this collateral proceeding." (*Ex parte Terry*, 128 U. S., 289.)

When the court had jurisdiction of subject matter and person its judgment cannot be collaterally attacked on *habeas corpus*, although the judgment be erroneous. (*Turner vs. Conkey*, 132 Ind., 248; S. C., 32 Am. St. Rep., 251-256.)

The sufficiency of evidence to support a conviction cannot be inquired into on *habeas corpus* proceedings. (*In re Haskell* (C. Ct.), 52 F., 795.)

A writ of *habeas corpus* cannot be used as a substitute for a writ of error for the purpose of reviewing alleged errors, either of fact or law, occurring at a criminal trial, but, being in the nature of a collateral attack upon the judgment, is limited to the inquiry whether the trial court has acted without jurisdiction or has exceeded its jurisdiction so as to render the sentence void. (*In re King* (Cir. Ct.), 51 F., 434.)

In re Frederick, petitioner, 149 U. S., 70, this court declared the law to be as follows:

"The remedy by *habeas corpus* should be limited to cases in which the judgment or sentence attacked is clearly void by reason of its having been rendered without jurisdiction, or by reason of the court having exceeded its jurisdiction in the premises; and the general rule, and the better practice, in the absence of special facts and circumstances, is to require the prisoner to seek review by writ of error instead of resorting to the writ of *habeas corpus*."

"The writ of *habeas corpus* is not a proceeding for the correction of errors." (P. 75.)

"The only ground on which this court or any court, without some special statute authorizing it, will give relief on *habeas corpus* to a prisoner under conviction and sentence of another court is the want of jurisdiction in such court over the person or the cause or some other matter rendering its proceedings void."

The circuit court clearly had the power to inquire whether its order had been violated by one who was bound to observe it, and such inquiry would necessarily involve the question of service upon the person charged, or of his knowledge of the order. The circuit court had jurisdiction of the subject matter to hear and determine whether the petitioner was guilty of contempt. It did in due form hear and determine, and, upon the application for the writ of *habeas corpus*, the exercise of that jurisdiction will not be inquired into. The petitioner's remedy, if error exists, is by appeal or writ of error from the decree of the circuit court.

The distinction between *jurisdiction* and its *exercise* is important, and should be clearly kept in view.

In *United States vs. Arre Dondo et al.*, 6 Pet., 709, jurisdiction is defined to be "the power to hear and determine a cause. It is *coram judice* whenever a case is presented which brings this power into action. If the petitioner states such a case in his petition that on a demurrer the court would render judgment in his favor, it is an undoubted case of jurisdiction. Whether on an answer denying and putting in issue the allegations of the petition the petitioner makes out his case is the exercise of jurisdiction."

See also *Lessee vs. Astor*, 2 How., 338; *In re Bozart*, 2 Saw., 401; *Ex parte Watkins*, 3 Pet., 203; Church on *Habeas Corpus*, pars. 223 and 225.

It follows that the circuit court could not in this case, on the application for a writ of *habeas corpus*, examine the evidence upon which the circuit court had rendered judgment against Lennon and decide whether that evidence showed that he was served with or had sufficient notice of the injunction order, nor whether, when he violated it, he was still in the service of the railway company.

A review upon these questions could only be had by appeal or writ of error in that case and not collaterally in this proceeding.

Those questions relate not to the jurisdiction of the court, but to the exercise of its jurisdiction.

The jurisdiction or power to hear or determine must be inquired into, but where the power exists its exercise will not be inquired into. (Church on *Habeas Corpus*, par. 227; 7 Peters, 568).

The proceeding instituted by Lennon by this application for writ of *habeas corpus* is a new proceeding, entirely independent of the proceeding to punish for contempt.

"It is a new suit brought by him to enforce a civil right which he claims as against those who are holding him in custody."

Church on *Habeas Corpus*, par. 70.

If, however, the court shall be of the opinion that this question is open for consideration and review, it will be found that the evidence fully establishes the finding of the court as stated in the opinion of Judge Ricks, at page 216 of the record.

The fact is established that he, Lennon, had notice and knowledge of the injunction order before he refused to receive the Ann Arbor car, by the testimony to which I will briefly refer.

It appears in evidence that immediately after the injunction order was granted and served upon the Lake Shore Company, the Lake Shore Company had copies of the order printed and attached thereto a notice, signed by its superintendent, calling attention of employees to it (Record, page 36), and such printed copies of the injunction and notice were posted, March 13, on all the bulletin boards at round houses where engineers took their engines, and it was the duty of engineers to examine all notices so posted before starting on their runs.

That on the morning of the 18th of March Lennon was upon his engine at Alexis, making a run with his train from Monroe to Toledo. On his arrival at Alexis and before he refused to receive and haul the Ann Arbor car Mr. Chillcote, an agent of the Lake Shore Company, handed to him (Lennon) a printed copy of said injunction order and the notice signed by the general superintendent, and he received and examined them.

Mr. Chillcote says (page 73, Record):

"I handed him these papers, and he said he had seen the order; that it was posted somewhere, I think at the round house, I think at Detroit. I wouldn't say positive as to that; but he said he had seen a copy of it. * * *

"I simply handed it to him, and he said, 'We, understand the order' or 'we have seen the order,' or words to that effect."

Chillcote further says (page 78):

"He stated when I handed him the order, before he read it that he understood it."

Mr. Keegan testified (page 80) that he was present when the copy order was handed to Lennon, and that he said, "I have seen it before." This occurred about 10 o'clock a. m., and Lennon, after having the copy of the order delivered to him and admitting that he had seen it before and understood it, refused to receive the Ann Arbor car until after 2:30 p. m., when he received a telegram from Mr. Watson, an officer of the Brotherhood of Locomotive Engineers, saying, "You can come along and handle Ann Arbor cars" (Record, page 75), he then at once proceeded with his train to Toledo, receiving and hauling the Ann Arbor car. (Record, pages 85, 86.)

Actual service of the order was not requisite. (High on Injunction, sec. 1492.)

Agents having knowledge of order may be held liable for acts in violation. (High, sec. 1435; *Wellsley vs. Moynton*, 11 Beav., 181.)

"It is sufficient for the court to know that the person enjoined had actual notice of its order." (High, sec. 1444; *Mead vs. Norris*, 21 Wis., 310.)

Where injunction issues against the president of a corporation, its officers and members, and is served upon the president in person and is read aloud in the hearing of other officers and members, who afterwards proceed with the performance of the act enjoined, they are guilty of a contempt of court, although never served with process in the cause or with the order of injunction. (High, sec. 1424; *Rorke vs. Russell*; 2 Lans., 242.)

Third, "Was it beyond the jurisdiction of a court of equity to issue the orders made in said case?"

This question is substantially answered by what I have said in answer to the first and second questions, but the appellant's counsel in his brief claims that the injunction order restrained Lennon from leaving the employment of the company. Such, I insist, is not its meaning, force, or effect, nor was the commitment of Lennon based upon any such construction of the order.

The order enjoined and restrained the defendant companies and their employes from refusing to complainant such equal facilities for interchange of traffic as were enjoyed by other companies, and from refusing to receive from and deliver to complainant cars billed from one state to another.

The order only required the employes while acting as such to discharge these duties. It did not in terms or in effect restrain them from quitting the employment, as the court held in respect to the other persons charged with contempt, but Lennon was held because while still in the employment of the company he refused to obey and violated the order of the court.

It is true that upon the hearing he claimed that he quit the service at Alexis, but the proofs clearly established the fact that he did not, and the court so found as matter of fact. Judge Ricks in his opinion, page 217 of the Record, after referring at length to the testimony, says:

"Upon the facts of the case made against Engineer James Lennon I find that he did not quit the service of the company in fact and did not intend to do so, and that his pretense to do so was a trick to evade the order of the court. Being in the service of the company when he refused to switch the Ann Arbor car into the train at Alexis, and having then full knowledge of the terms and meaning of the order of the court, that order was then in full force and commanded him to do the very thing he refused to do. He therefore deliberately and knowingly violated the mandate of the court and was guilty of contempt."

This finding of fact is fully sustained by the evidence, and I submit is conclusive and not reviewable here.

In the forenoon, after Lennon had refused to receive the Ann Arbor car, the division superintendent of the railway company telegraphed to him, asking, "Will you bring your train to Air Line Junction if the order to take the empty car (the Ann Arbor car) is rescinded?" And to this Lennon answered, "Yes; I will take my train to Air Line Junction all right. Lennon." (Record, page 83.)

During these four hours, from the time Lennon refused to receive the car until he received the telegram from Watson and proceeded with his train, "business was at a standstill because he would not go on and haul that car until Watson's message was received. * * * He was willing to take the train, but not so long as he had to take the car." (Record, page 86.)

Lennon's own testimony on cross-examination (pages 159-168) clearly shows that while still in the employment of the company he refused to receive the Ann Arbor car until the boycott was raised and he was advised of the fact by Watson's telegram; that he continued in the employment of the company and took his engine to the round house on the evening of the 18th after having completed his run, and then and there, upon being told what train he should next take out, said, "All right; I will be up."

When asked on the hearing, "Why did you refuse to haul the train?" he testified, "For the simple reason that I didn't want to go and handle Ann Arbor cars." (Record page 163.)

Clearly the fact that while he was in the service of the company he violated the order of the court was proven, and it will not be contended that the court has not the power to punish for contempt.

The power to punish for contempt is inherent in all courts, and is expressly given by section 725, United States Revised Statutes.

It is respectfully submitted that the appeal should be dismissed.

GEO. C. GREENE,

Of Counsel for L. S. & M. S. R'y. Co.

ADDENDA.

I beg leave to further submit:

That the appellant does not stand in a position where he is entitled to raise the question of want of jurisdiction because of the fact that the plaintiff and one of the defendants, The Michigan Central Railroad Company, were both citizens of Michigan.

In *Harrison vs. Urann* (1 Story's Rep., 64), where a bill in equity was brought against several defendants averring them all citizens of Massachusetts, and two of the defendants put in a plea averring that their codefendant was not a citizen of Massachusetts, it was held that the right to contradict the averment in the bill in this respect and, thus to oust the jurisdiction of the court, was a personal privilege of the codefendant, of which he alone was entitled to avail himself. The court says: "The other defendants have no more right to plead that he is not a citizen of Massachusetts than they would have to plead that he was an infant" (p. 66).

In *Hickley vs. Byrne et al.* (Deady's Rep. 224): Held, such objectional is personal, and cannot be made by one defendant for another.

The bill avers citizenship in Ohio of the Michigan Central company, and that company only could raise the question of its citizenship by plea in abatement (*Smith vs. Kornothan* 7 How., 198). Had that company raised the question, the suit could be dismissed as to that defendant company and proceed against the other defendants, as that defendant company was not an indispensable party. (*Horn vs. Lockhart*, 17 Wall., 570.)

The court had jurisdiction of the action as against the Lake Shore company, the appellant's employer.

GEO. C. GREENE,
Of Counsel.

Following the Toledo & Ann Arbor strike was the bricklayers' strike at Grand Rapids, commencing about April 1, which is not yet fully settled.

About April 24th the laborers employed by the Flint and Pere Marquette railroad company, engaged in loading and unloading boats, at Ludington, went on a general strike.

May 17, a strike was inaugurated by the employés at the extensive brick-making establishments in Springwells, near Detroit, affecting nearly fifteen hundred men.

May 31, one hundred men, employés of the Detroit Electrical Works struck, refusing to work by the piece, as desired by the company. The difference was speedily adjusted.

In June a strike of considerable magnitude was precipitated by the journeymen horseshoers of Detroit, which lasted about one month.

July 21, one hundred and thirty miners went out on a strike at Sunday Lake mine, near Ironwood, on account of not having received pay for over two months. The matter at difference being adjusted, work was resumed in a few days.

Some few strikes of minor importance occurred in different parts of the State during the season, but as the business depression came to be felt in every section of the country and manufactories closed down, the question of the employment of idle men was a more serious one than that of the amount of wages paid.

BRICKLAYERS' STRIKE, GRAND RAPIDS.

In January, 1893, the Bricklayers and Masons' Union No. 1, of Michigan, sent a communication to the Builders' Exchange, an association of contractors and builders, demanding after April 1st an eight-hour work day at the same rate per hour as had

been given when working nine hours, namely, forty-five cents. The contractors declined to grant this demand, and notified union men that after April 1st they need not apply for work unless they would work nine hours, claiming that it would in a short time result in a demand of fifty cents per hour, and that they could not maintain that price in Grand Rapids, and that they had already paid too much for some men belonging to the union, as their (the union) prices were on one scale and not according to ability. The union considered this a lock-out and April 1st about 150 of their men refused to work on any buildings in progress. The contractors held off as long as possible, but finally decided to import men from Chicago, and did receive about 100 such men, many of whom proved inferior workmen and who worked nine hours per day and were paid according to their ability. Some of these men were given tickets back to their homes by the union. Those who remained, joined by a few here who seceded from the International Union (about seventy in all), formed a local union for self protection, but it now seems to have died out as most of the members have left town. In the meantime, two firms acceded to the demands of the union and put men at work to finish certain contracts already begun, but afterwards discharged them and hired imported men. The strike is not yet settled, but negotiations are now in progress and it is to be hoped that an amicable settlement will be reached. The real matter at variance now seems to be that men who left the union cannot get back without paying a heavy fine and the contractors use this as a leverage against the union. If the union should remit this penalty, the contractors might concede to the demand for an eight-hour work day.

WAREHOUSEMENS' STRIKE, LUDINGTON.

The laborers employed about the warehouses at Ludington at loading and unloading boats by the Flint & Pere Marquette railroad were receiving twenty cents an hour, and on April 24th, struck for an increase of wages to twenty-five cents per hour and fifty cents per hour on Sunday. From the first it was evident that the company was in a position not to comply with their demand, as a large amount of surplus labor was ready to fill all vacant places at the old scale of wages. The strike affected about 250 men who were orderly, but active and firm in their demands. The strike lasted nearly two weeks.

THE BRICKMAKERS STRIKE, DETROIT.

On the 16th of May the employés of R. H. Hall, an extensive brickmaker at Springwells, a suburb of Detroit, under unwise and untimely advice, stopped work, and visiting other establishments in that vicinity induced the men to join them, until some fifteen hundred had quit work. The manufacturers simply shut down their works until May 29, when the men returned to work at their former wages and hours, having been idle about two weeks. Their return was unconditional and the relations between employers and employés resumed their former pleasantness, as if nothing had occurred.

HORSESHOERS STRIKE, DETROIT.

About the middle of June the Journeymen Horseshoers of Detroit conceived themselves aggrieved and struck for higher wages, which being refused about fifty men refused to go to work. Their action did not meet with the entire approval of the Union to which they belonged, although a majority sanctioned their course, and the strike was maintained until a compromise was effected on the basis of nine hours per day for five days and eight hours for Saturday of each week, the men resuming work at the old scale of wages, which was \$3 00 per day for firemen, and \$2.50 per day for floormen. Had the men first asked for the concession received, it would have been granted without the loss of a day's time.

OTHER STRIKES IN THE UNITED STATES.

During the early part of the season, numerous strikes were rumored and doubtless contemplated, but as the season advanced and business depression became general throughout the whole country, forcing a general suspension of manufacturing, mining and other enterprises where the bulk of labor was employed, it became apparent that while the employing classes were thrown out of business, the laboring class would be the greatest sufferers by being deprived of their only capital, i. e., their labor, wherein lay the daily subsistence for the family, without which want and suffering stared them in the face. The question of striking for higher wages, or fewer hours, soon became of secondary importance to the great question of the chance to do labor, even at reduced prices.

WORLD'S FAIR STRIKE, CHICAGO.

Early in April a threatened strike of carpenters culminated at the World's Fair, which for a time threatened to seriously embarrass the managers, but cool heads and temperate blood guided the dispute to a peaceful and satisfactory adjustment, concessions being granted on both sides. About two weeks later another strike was organized, but after a short delay the men resumed work. This last strike was caused by a misunderstanding of certain labor organizations when the first strike was settled. Again cool heads and wise counsel averted a serious calamity, for its continuance would have been a calamity for the workmen as well as the fair.

CHICAGO CARPENTERS.

About the same time that the World's Fair strike was conceived the Union carpenters of Chicago made a determined effort to resist the employment of non-union men. In a measure they were successful, but what at one time was feared as the commencement of a most serious trouble was happily avoided, again demonstrating that justice tempered with coolness generally produced the most satisfactory results.

COAL MINERS STRIKES, KANSAS.

Sometime in May a general strike of the coal Miners in Southeastern Kansas was ordered and thousands of miners quit work. This strike extended until it affected all

the miners in that state, and continued until the middle of August, a period of three months, when the strike was declared off, the mine operators agreeing to a new schedule of wages and a new system of measurement, at the same time the miners yielding certain points. Probably one element that entered into the settlement of this great strike was the fact that the closing of mines and factories at other places had the effect of bringing a large amount of surplus labor to these mines. This Bureau was promised by the labor authorities of Kansas statistics regarding this strike, but for some reasons failed to receive them.

THE SANTA FE STRIKE.

Shortly after the strike known as the Toledo & Ann Arbor strike in this State, the great Santa Fe system was threatened with a general strike, several hundred shopmen going out. Nothing was gained by the strikers and after being idle for a short time they resumed work. One feature of this strike was the injunction of Judge Hazen of Kansas, restraining the men from in any way interfering with the operation of the road or with the men yet at work in the shops, thus virtually depriving the strikers of their most effective weapon. This appeal to the courts by the company, while not a new departure, in this instance had the effect to hasten a settlement of the questions at variance.

LAMONT AND ROMEO, ILLINOIS.

In June one of the most serious outbreaks of the year was the strike of the laborers at the stone quarries at Lamont and Romeo, Ill., the strikers extending their operation to the army of workers on the drainage canal, hoping to effect a general strike of all the workmen in that section. Several fights of more or less magnitude took place, resulting in the killing and wounding of several men. Two regiments of Illinois state troops were called out, and for a time matters looked serious. Difficulties were finally adjusted, and the work and business resumed its normal condition.

THE LEHIGH VALLEY STRIKE, PENNSYLVANIA.

November 21 the great strike, known as the Lehigh Valley strike, was precipitated. If successful its effects would be far reaching, extending into several states. Its importance called for prompt and judicious action by all interested, and measures were at once taken to submit a settlement to the boards of arbitration of New York and New Jersey. The gentlemen comprising these boards immediately proceeded to interview all parties and after an extended conference with the officials of the company and committees from the strikers, supplemented with minute correspondence relating to the matters of disagreement, a settlement was reached on December 6 and the men resumed work, certain points being conceded to them and they in turn relinquishing certain grievances claimed, thus bringing to an end what at one time bid fair to be one of the most serious strikes ever inaugurated.

Much of the information and data above noted regarding strikes was necessarily gathered from press accounts as given at the time, the Labor Bureau exercising care as to the accuracy of the reports quoted from and where possible verifying the same from personal knowledge of individuals.

Decisions of the United States courts affecting railway employes on railways in the hands of receivers appointed by these same courts, have not escaped the observation of this Bureau. These decisions are so recent that their real effect must necessarily be conjecture to a great extent.

It hardly seems probable that any court will exercise its authority so far as to fix or reduce the compensation of men employed by railways in the hands of receivers appointed by the court itself, and then restrain them from quitting work, either singly or in a body. A better understanding of the whole matter will doubtless allay any fears that these decisions will work hardship to any one.

Whatever may be the outcome, the Michigan Labor Bureau will certainly take full note of it.

PART III.

LABORING POPULATION AFFECTED BY BUSINESS DEPRESSION.

While nearly all classes of the population of the State have suffered directly or indirectly from the business depression which commenced quite early in the year, the laboring population—those who work for wages—have suffered most. No matter whether inquiries are made among skilled or unskilled laborers, thousands are out of employment. As the season advanced and factory after factory closed, cut down its force, or reduced wages, the market for labor grew worse. At the close of the year many thousands of laborers are out of employment and they and their families become dependent upon charity for their support.

When the Labor Bureau began inspecting factories September 1, the inspectors were furnished the following employment blank:

Date..... No.....
 Location.....
 Name of establishment.....
 Running or idle.....
 Full or part time.....
 Average hours per week when running full time.....
 Average hours per week at present.....
 Number operatives employed when running full capacity.....
 Number operatives employed now.....
 Cause of reduction, if any.....
 Prospects for return to full capacity.....
 Have wages been reduced since April 1, 1893?.....
 If so, what percentage.....
 How do wages compare with one year ago?.....
 If idle, when was establishment shut down?.....
 Cause for shutting down.....
 Prospects for resuming business.....

Factories and business places were inspected since September 1, and from these employment blanks it is found that of the 2,066 factories inspected, 377 were idle and 1689 in operation the whole or a part of the time. Of those being operated 1,117 were running full time and 572 were running only a part of the time. In those running part time we find a loss to labor of 32,627 hours per week or more than 26 per cent as compared with the average hours when running full time. Looking at the other positive loss to labor, viz.: men laid off on account of business depression, and it is found that

in the factories inspected 48,752 operatives are out of employment, or 43.6 per cent of the whole number reported as employed when the plants mentioned are being operated at their full capacity. Besides all this, wages have been reduced on an average of 9.5 per cent since April 1, 1893. These figures are thought to be conservative and reliable, and show that during the time between September 1, 1893, and February 1, 1894, also has lost in 2,066 factories 70,676 ten hour working days from short hours, on account of business depression, and 1,056,294 days by men being laid off for the same reason, making a grand total of 1,126,970 days' loss in five months; besides there is a loss of 9.5 per cent on wages by reduction. With all this loss the factory laborers of the State, are for a wonder, self-supporting.

The laboring class in the upper peninsula, particularly in those counties which contain the mining ranges where iron ore is produced, have been the greatest sufferers. When the mines closed down, business was nearly at a standstill. Something of the severity of the suffering may be seen by the statements from the county clerks of Gogebic, Iron, Dickinson and Marquette counties, showing the number cared for November 30, 1892; also showing the number cared for by the said counties the same date in 1893, but this by no means gives anywhere near the number out of employment and dependent on charity.

Counties.	In poor house.		Temporarily relieved.		Total.	
	1892.	1893.	1892.	1893.	1892.	1893.
Gogebic	4	10	150	4,500	154	4,510
Iron	11	15	15	50	26	65
Dickinson	No poor	house	245	987	245	987
Marquette	28	37	1,342	2,482	1,370	2,519
Total	43	62	1,752	9,019	1,795	9,081

In the copper mining counties no such state of things exist as are found in the Iron Ranges. Copper is low in price, but the demand has been fairly good. So far as the Labor Bureau is informed, the mines are being operated with little reduction in force or wages. Indeed, it has been the boast of residents of Houghton county that they were experiencing comparatively little of the bad effects of the hard times of which so many complain.

MICHIGAN IRON MINES AND MINERS.

In this connection it is believed that the following history of Michigan iron mines and miners, from the discovery of ore in 1844 to the present time, covering the development of the mines, tons of ore produced, the cost and prices received each year, together with the wages paid men in different years will be, not only interesting but instructive, especially at this time when the great industry is almost at a standstill.

While the Upper Peninsula of this State is celebrated for its mines of iron ore, and while they have been continuously wrought since the year 1848, there are many of the inhabitants of Michigan and especially among those living south of the Straits of Mackinac, who do not possess anything like a correct conception of their magnitude, or the amount of capital and labor employed in their development and operation. Contributing, as they do, so much to the support of the labor of Michigan, a brief outline describing them in a general way may not be amiss at this time and place.

The wonderful growth of our ore-mining industry is something Michigan people, who

pride themselves upon the many successful enterprises of their State, can point to with no inconsiderable degree of satisfaction. Beginning with the discovery point, the Jackson mine, Marquette county, in the year 1844, Michigan now stands at the head of all states in the union in the number of tons of iron ore mined each year, and has made it possible for the United States to gain the position it now holds as first in the list of all countries of the world producing iron ore and pig iron.

For many years after the finding of the original ore deposit, development was necessarily slow, due to the lack of proper facilities for shipping of product and securing of supplies, and to the absence of suitable machinery and correct knowledge of the enclosing rock formations and how they could be best taken care of. It was not until the year 1873 that a product of 1,000,000 tons per annum was achieved, a record that was heralded far and near as one the State might never again equal, and while the wonder was that so much had been produced, a greater problem was presented in how was it all to be consumed. The latter was answered by the building of new furnaces and mills in Ohio and Pennsylvania, to which markets the ore was freighted by boat from Marquette, the then only outlet by water. As the demand for iron grew there was incentive offered for the discovery of new mines, and this led to search in other fields than the then single one which had made such progress. The work of the prospector was rewarded, and in 1877 was added the Menominee range with its natural lake port at Escanaba, Mich. The contribution from this district was utilized, and the year 1885 witnessed the addition of the Gogebic range with lake ports at Ashland, Wis., and Escanaba, Mich. Every pound of the ore from these three great ranges was marketed, and at a price that allowed liberal profits to those who placed money in the enterprise, and gave fair wages to the labor employed in and about the mines. No region was more prosperous or contented, and the almost entire absence of strikes or labor dissensions is conclusive proof that the relation between employer and employé was agreeable even unto cordiality. No other region in the country employing a like amount of labor can show a better record in this respect. Contributing to this end we find a population of intelligent laboring men. The miners are Englishmen from the mining districts of Cornwall; Scandinavians, from Norway and Sweden, a small percentage of Irish nativity and a few Italians and Finns. The laborers who are given place on the surface doing ordinary work, and who tram the cars of ore underground in the mine, are made up from the different nationalities with a larger percentage of Finns than is found among the miners. Altogether they comprise a very thrifty population. Many possess their own homes which are well provided with comforts, and all are well dressed. The number of children enrolled in the different districts as attending school show that particular attention is given to educational affairs, speaking volumes for the thrift and patriotism of the people.

The success attending the business of mining has built up many substantial towns that derive their support from the labor here given place. In the Marquette district is Ishpeming, the largest city in point of population in the Upper Peninsula, it possessing about 12,000 souls. Negaunee, three miles distant has 6,000, and besides these are the villages of Republic and Champion with 3,000 people. Marquette, the lake port for a portion of the product, has over 8,000 people who are dependant upon the railway and lake shipping interests directly associated with the mines in the transportation of their product. Escanaba, that takes a portion of the ore of the Marquette and Gogebic, and the entire amount sent from the Menominee range, has 6,000 people who are directly associated with the ore shipping industry. The Menominee range has the active city of Iron Mountain, the location of the principal mines, while Norway, Crystal Falls and

other towns are important. In Gogebic county is Ironwood with 8,000 inhabitants, Bessemer, the county seat, and other places of importance, and all of them entirely dependant upon the mining of iron ore for existence.

When it is said that \$40,000,000 are actually invested in the iron mines of Lake Superior, so called, and that \$180,000,000 have been placed in the mines and in the equipment of docks, railways and boat lines necessary to the conducting of the business, the place that capital holds is apparent. And when to this is added the fact that of the entire cost of the finished forms of iron and steel 85 per cent can be charged to labor—figuring from the time the miner breaks the ore from the vein until the sheet of steel comes from the rolls—the importance of the industry to the laboring men of this State, and to other states to which the ore is sent upon its journey of transformation, can be realized.

Nature has contributed her full share in the giving of ores of different varieties and grades that are especially desirable for the manufacture of both iron and steel. They are the richest in iron of any produced in America, giving to the finished product the greatest tensile strength and toughness, which has made their use so popular and afforded so ready a market for many years at fair price. In this feature of excellent quality is found one reason for the rapid development of the mines as compared to those of lower grade situated at nearer proximity to the great iron and steel manufacturing centers, and whose operation can be carried on at less cost owing to climatic advantages over the Lake Superior fields where winters are long and severe and where labor needs greater aids in the way of clothing, food and fuel.

We find many changes in the method of working the mines as compared to those in vogue earlier in their history, these being to the advantage of the men employed as well as to the shareholders. As the mines grow older they increase in depth. Where the lowest levels were working at 200 feet below surface ten years ago they are now down to 600 and 1,000 feet. In the majority of mines the men are raised and lowered in cages that are substantially constructed of iron and steel. This does away with the fatiguing exertion of climbing slippery ladders, the old method of going up and down. We find that special signals are given the engineers handling the hoisting engines whenever there are men in the cage, and at such times a lower rate of speed is observed in raising or lowering the cage, or skip.

There is a State law requiring that every mine shall have at least two shafts so that in case of accident to one, which might close it, there may be another avenue through which the men underground could escape to surface. We find this law universally lived up to. A State law creating the office of mine inspector in each county where mining was extensively carried on went into effect in 1886. In case dangerous places exist in the mines the inspector can be called in at the request of a certain number of men and he may order such changes as he may think necessary to their protection. We find upon inquiry among the miners that the office is acceptable to them, and that it is being well attended to in the different ranges. We find, too, that each mining company gives its mining captains and shift bosses particular directions with reference to the care of ground that may appear defective so that accident to life may not occur. After each blast is fired men known as "barrers" take down such loose pieces of rock or ore as may not have been thrown completely out by the force of the explosion. There no gases in the mines and the ventilation is generally good, the older mines having many shafts, affording an abundance of pure air.

In years gone by no little sickness was caused by the nitro-glycerine used as an

explosive, the fumes of the burning acid causing severe headaches from which the men suffered considerably. This is now almost entirely overcome by the introduction of dynamite in which the nitro-glycerine is taken by an absorbent, the chemical properties of which dispense with former sickening fumes. Of importance, too, is the greater safety in handling the modern explosive, accident from premature explosion now being rare, whereas in times gone by death from such cases was frightfully common, by reason of the very sensitive nature of the pure nitro-glycerine.

At all of the larger mines we find considerable "dry" or change houses where the miners wash themselves and change their clothing after coming out of the mine. There are baths provided with hot and cold water, closets for the keeping of the clothing of the men while they are at work, and a man is employed to take charge of the building and its contents. Heating is done by steam. For this service each miner pays fifty cents per month.

Nine hospitals are found in the principal towns, these being in charge of physicians of excellent skill who provide medical attendance, medicines, food, and place for men injured in the mines, and besides treat their families. The married men each pay from \$1.50 to \$2.00 per month for this service, and the unmarried men fifty cents less per month. The general health of the ore districts is good, the principal towns having excellent sewerage systems and pay particular attention to sanitary affairs. An epidemic of typhoid fever at Ironwood, the past summer, was an unusual exception. At each mine there is a benefit fund to which every miner belongs. In case of accident rendering him unable to work, the benefit club takes care of him, and in case of death his widow or family receives from \$500 to \$1,000, and besides this the funeral expenses are paid. Each miner subscribes fifty cents per month, and the mining company puts as much into the fund each month as do the miners. Some of the clubs have accumulated considerable property in this way from which they have derived important benefits, and have rendered substantial aid to those of their number who have been unfortunate in the mines.

Of much interest to the miners of Michigan and other ore producing fields of the country, is the fact that the eight-hour day has been adopted at three of the mines of the Marquette range. It was first inaugurated at the Pittsburgh and Lake Angeline mine, Ishpeming city, October, 1892. The company, unsolicited by the employes, offered to make a three months' trial of the plan, which, if it gave as large a product per man as under the ten-hour day, would result in the adoption of the shorter day. Not only has the trial given as large a product, but has been increased by a considerable percentage over the old day of ten hours and the system is now employed throughout the entire property of this company. In November of 1892 the Winthrop iron company, in the Marquette district followed the plan of the Lake Angeline, and has been working satisfactorily upon that system ever since. These mines work three "shifts," or parties of men. They relieve each other "in place," as they term it, one party taking the tools from the hands of the retiring one, so that no time is lost. Two shifts of eight hours each are being worked at the Sallisbury mine of the Cleveland-Cliffs company, Ishpeming, Marquette range, with about the same result as shown under the ten-hour day. The addition of the third shift would undoubtedly show a gain over results now accomplished, and would be tried but for the fact that the company does not wish to make a larger output of ore until the market for it is more satisfactory than now. The eight hour day is not as yet observed by any other mines of the Lake Superior districts than those here mentioned.

The amount of ore produced since the time the mines were first opened is enormous. Up to and including the year 1893 the three Michigan fields have shipped 73,936,827 gross tons. Contributing to this the Marquette range has credit for 40,971,000 tons; the Menominee 18,032,311 tons, and the Gogebic 14,933,516 tons. Including the entire Lake Superior region, which embraces the mines of Minnesota, the grand total tonnage is 80,390,352.

Showing the rapid and steady gain in production the following figures giving the number of tons annually sent out for each of the past ten years will prove interesting:

Year.	Michigan mines.	Entire lake region.
1884	2,417,113	2,506,814
1885	2,285,249	2,516,201
1886	3,128,517	3,554,571
1887	4,170,078	4,744,276
1888	4,283,926	5,046,503
1889	6,084,249	7,282,644
1890	7,678,637	9,003,701
1891	6,063,814	7,691,941
1892	7,628,598	9,069,556
1893	4,800,000	5,938,196

The great falling off in shipments from Michigan mines for the year 1893 as compared to 1892 and previous years is noticeable. In 1892 all former records were eclipsed with the exception of 1890, but it will be seen that the entire Lake Superior output was in excess of any previous year. In 1892 Michigan produced 46.29 per cent of the ore mined in the United States, an achievement of which her people may justly feel proud.

With the falling off in product for 1893 there was still greater reduction of labor. As early as April several mines of the Gogebic range shut down, while a number materially reduced their forces of men. At Bessemer, the Colby mine, the principal one at that place, ceased operations, throwing 700 men out of employment. At Ironwood the Norrie mine, employing when active, 1,600 men, was wholly closed in June, at which time the Ashland, the second largest mine in the city, also stopped, letting out 650 men. The Menominee range was affected at about the same time; the Chapin, the largest mine on the range suspended, as did every property employing labor in the Crystal Falls section of that range.

The mines of the Marquette range held on generally until July when they, too, succumbed to the same causes that had silenced their neighbors—inability to secure money to carry on the business, and lack of a market at living prices.

The following table, showing the number of men given place on the different ranges at the first of November in each of the years mentioned suggests the seriousness of present conditions:

Year.	Marquette Range.	Menominee Range.	Gogebic Range.	Total.
1889	6,585	2,752	3,279	12,616
1890	7,484	4,012	3,962	15,458
1891	7,230	4,208	3,843	15,281
1892	7,966	4,665	4,621	17,252
1893	1,895	1,365	418	3,673

The year 1893 has certainly been a great disappointment to the labor and capital of the ore fields of this State. Personal visitation of many of the principal mines of the different fields reveals the fact that much was expected of the year. In almost every instance the representatives of the mining companies informed us that they had anticipated and arranged for a large output. Their forces of men had been kept up throughout the winter of '92-3 (the usual custom as the ore is stocked upon surface at the mines at this season when navigation on the lakes cannot be carried on), and all had been made ready for a still larger output than the one achieved in 1892.

The thousands of men who were forced into idleness sought employment in other fields, but other mining fields were experiencing similar troubles as those of Michigan. A few hundred were engaged by coal mining companies at Spring Valley, Ills. the larger percentage of Italians emigrated to their native country, and many of the English miners returned to Cornwall, but there were thousands who remained at home, hoping that each succeeding day would bring news of the opening of the home properties. A few of the mines continued in operation giving place to the number of men indicated in the table before printed. Some of these arranged to supply the men with provisions until such time as they could raise the money to pay them, this depending upon the condition of the market and promptness of buyers to meet maturing paper. But there was a severe cut in former wage rates of those who continued in employment, this being due to the fact that ore had fallen in price at least \$1 per ton, and there was no other way of meeting the reduction than by lessening the wages of the men employed in the mining. Showing the severity of this I append the following table of wages paid at one of the principal mines for the past 36 years.

Years.	Wages paid surface-men.	Wages paid miners.	Years.	Wages paid surface-men.	Wages paid miners.
1857.....	\$0 75	\$0 90	1876.....	\$1 25	\$1 50
1858.....	75	90	1877.....	1 25	1 50
1859.....	75	90	1878.....	1 35	1 50
1860.....	1 25	1 35	1879.....	1 35	1 50
1861.....	1 00	1 15	1880.....	1 55	1 75
1862.....	90	1 10	1881.....	1 50	1 70
1863.....	1 75	2 25	1882.....	1 50	1 85
1864.....	2 50	3 00	1883.....	1 65	1 90
1865.....	2 00	2 50	1884.....	1 65	1 95
1866.....	2 00	2 50	1885.....	1 55	1 80
1867.....	2 00	2 40	1886.....	1 65	1 90
1868.....	1 80	2 25	1887.....	1 65	2 00
1869.....	1 80	2 25	1888.....	1 55	2 00
1870.....	1 75	2 25	1889.....	1 50	1 75
1871.....	1 75	2 25	1890.....	1 50	1 75
1872.....	1 75	2 25	1891.....	1 55	1 75
1873.....	2 00	2 75	1892.....	1 50	1 70
1874.....	1 35	1 50	1893*.....	1 00	1 50
1875.....	1 35	1 50			

* Since July.

The above wages were upon what is known in the mining region as the "company account" plan. This is for a stipulated wage per day. By far the largest portion of the mining is done upon the contract system, the miner receiving so much per ton of ore broken and placed in skips, or else so much per foot of ground drifted, or sunk as the case may be. The wages earned by the contractors will average much better than those of the company account men. At the mine from which the figures above were

obtained about 1,000 men are employed when full force is on and fully seven eighths of this number were working on the contract plan.

At another mine whose full complement of men is over 800 hundred, we were shown the books of the company operating it which contained a record of the earnings of the contract labor, this including miners and skiptenders. Figures representing the net earnings per day (the cost of oil, candles and explosives having been deducted), were as follows:

1884.....	\$2.32
1885.....	2.22
1886.....	2.39
1887.....	2.39
1888.....	2.36
1889.....	2.46
1890.....	2.58
1891.....	2.51
1892.....	2.43
1893, first 9 months.....	2.11
1893, October and November.....	1.54

The mine from which these figures were taken is located in the Marquette range, where we found wages higher than those paid in the Menominee or Gogebic districts, the latter paying miners \$1.25 per day on contract plan.

In the Vermillion district of the Lake Superior region miners were being paid \$1.00 per day, and surfacemen eighty cents. The latter district requires skilled labor, the mines being producers of hard and soft ores much like those of the Marquette district of the Michigan field. Mining is conducted on the underground plan where experienced miners are necessary to successful operation.

In the above table of figures showing the earnings of contract miners where the highest wages are now paid in the Lake Superior mines, it will be noticed that the months of October and November, 1893, show a reduction of thirty-six and one-half per cent as compared to the average daily wages of the nine years previous, and of thirty-eight per cent for the five years preceding 1893. This lowered wage has resulted in general dissatisfaction on the part of the laborers, who find they can but barely exist upon it, and in cases where the surface laborers have large families, which we find to be often the condition, they are forced to suffer for lack of much that the severe climate demands. Cold weather comes with the first of October. Snow generally comes with the first week of November and frequently lasts until the first of May. In past years the miners and laborers were abundantly able to make provision for the cold weather part of the year, having a surplus of money that was devoted to such use. Nor is the forced change acceptable to the mining companies who appreciate the fact that low wages beget trouble as well as cause physical suffering.

The great shrinkage in the selling price of ore gives reason for the lowered wage. Bessemer ores containing 67 per cent metallic iron and .02 per cent in phosphorus, dropped from \$4.50, the price received in 1892, to \$3.25 per ton, this for deliveries at Lake Erie ports. An average of \$1.60 of the selling price must be paid for transporting each ton from the mines, this including insurance and commission, which amounts to fifteen cents per ton. A majority of the Lake Superior mines are wrought by those who lease them from the owners of the fee of the lands holding the ore deposits, a royalty being paid the fee owners of so much per ton, this varying with the quality and character of the product from twenty-five to sixty cents. With this added to the cost of freighting there is little left for mining, local taxes and the many other items enter-

ing into the cost of raising the ore. The companies are employing the best machinery known to the industry for rapid and cheap winning of the mineral stores, and lessened cost is now largely at the expense of labor. We find magnificent plants of hoisting machinery, modern pumping engines, rock drills operated by compressed air that have taken the place of the old style drill that cut the ground slowly and with much effort on the part of the miner who wielded the hammer to force its passage into the ore or rock. There is machinery that fashions the sets of timber that go into the mine to support the hanging walls; steam and electrically propelled tram cars take the ore from the stope to the shaft. Instead of being wheeled by hand in barrows, the ore of stock-piles is now placed in the shipping cars by means of the steam shovel, saving time and severe effort on the part of labor. All that the ingenuity of man can devise to assist in the obtaining of ore at the lowest possible cost had been adopted.

In interviews with many of the miners of the different fields they complain that lowered wages had not been accompanied by lessened cost of living. Rents were lower than before the cut, but aside from this single item they were paying as much for the necessities of life.

Many of the representatives of the leading mines of the different ranges were seen and questioned with reference to their opinions as to the cause of the change in their condition as contrasted to former years. They were as a unit in replying, all having substantially the same statement to make. They claimed that the furnaces and mills had generally suspended work before the closures at the mines, and as consumption had stopped, production could not be continued. Changes in duty on pig iron, steel rails and other manufactures of iron ore had been promised; free iron ore had been advocated, and this with such apparent sincerity by those who held the reins of government that capital had decided to await such promised changes before making further iron ore or iron purchases. Changes in tariffs might be reflected by changes in values of iron products, and it had been decided by the manufacturers to hold aloof until congress gave final decision upon the question. The consumers of ore had given the producers this reason, too, and the mining companies as well as their employes agreed upon this as the cause of their troubles.

At one mine producing hard specular and magnetic iron ore and which was idle, we were told that the Cuban ores has already taken the place of theirs in Pittsburg, Pa., furnaces. Inquiry as to whether home production might not have been too largely in excess of the demand we were answered that there had been no evidence in support of such point. The amount of iron ore in stock at Lake Erie ports at the close of navigation for the past five years is shown as follows:

Year.	Gross Tons.
1889.....	3,607,106
1890.....	3,893,487
1891.....	3,508,489
1892.....	4,149,451
1893.....	4,070,710

It is from this stock that the furnaces are supplied during the season when lake navigation is closed, or from about Nov. 15 to May 20 of the following year. In addition to home product of iron ore there had been sent in from foreign countries the following tonnage, the ores coming directly into competition with those of Michigan:

Year.	Tons Imported.
1889.....	853,573
1890.....	1,246,830
1891.....	912,864
1892.....	806,585
1893, first 10 months.....	501,345

A statement that natural labor no longer was entitled to consideration in figuring upon the cost of mining ore, for reason that the innovation of the steam shovel had shown that it was to do the mining in future, was bitterly resented by the mining men and the miners of the Michigan fields. They claimed this to be unfair because it was untrue. Of the 16,036,043 tons of iron ore mined in the United States in 1892, none had been raised with the steam shovel, and of the twenty-four states producing ore in 1893 but one had employed the shovel in the stead of the miner, and that at but three mines of the many it possessed. The total tonnage of ore so secured would amount to but 200,000 tons.

PART IV.

PAUPERISM IN MICHIGAN.

The word pauper, as used generally, grates somewhat harshly on the ear of humanity. Under the head of "Pauperism" people have come to speak of all who are supported in whole or in part by charity, especially if it be public charity. The word is used here as most clearly expressing the number of people who are maintained permanently at public expense, or temporarily assisted over a period of unexpected destitution. It would be unkind to class all those as paupers, who have been compelled in the last six or eight months to ask assistance, because of being unexpectedly thrown out of work. Neither would it be fair to those counties which contain our larger cities, to publish the numbers as reported, without explanation. It should be remembered that the tendency of our population is too much toward congregating in cities and villages. As a result of this, the demand for labor in "flush times" is hardly enough to absorb the supply, and in times of business depression, with a reduced demand for labor, assistance must be asked. In view of the price common or unskilled labor is receiving, it would not be strange if the numbers temporarily relieved in such counties as Kent and Wayne were not larger than they are. It speaks well for the economy and thrift of the mass of the laboring population of those counties. Comparing those counties that report the greater part of the increased number of those dependent with rural counties, it is evident that the country population are "making a living" better than those in cities. It has been stated elsewhere in this report that there was a scarcity of laborers in agricultural pursuits and that were labor more evenly distributed in city and country, it would be better for all.

Table No. III shows the number maintained in whole or in part in all but thirteen of the counties in the State during the last three months of each of the years 1892 and 1893. Most of the counties not reporting are new and sparsely settled, and very likely would show no marked difference in the two periods. The number reported as receiving temporary relief is, doubtless, too small, as supervisors in all townships have not made reports and will not until their next annual meeting.

TABLE No. 3.—Showing number of people maintained by public charity for the last three months of 1893 as compared with the last three months of 1892.

Counties.	Number of inmates of county house Dec. 31, 1892.	Number of inmates of county house Dec. 31, 1893.	Number of persons afforded temporary relief during three months ending Dec. 31, 1892.	Number of persons afforded temporary relief during three months ending Dec. 31, 1893.	Counties.	Number of inmates of county house Dec. 31, 1892.	Number of inmates of county house Dec. 31, 1893.	Number of persons afforded temporary relief during three months ending Dec. 31, 1892.	Number of persons afforded temporary relief during three months ending Dec. 31, 1893.
Alcona.....	7	10	16	18	Lake.....	11	9	32	37
Alger.....	a	a	18	17	Lapeer.....	44	42	132	268
Allegan.....	50	49	280	360	Leelanau.....			4	8
Alpena.....	5	8	92	80	Lenawee.....	50	53	b	b
Antrim.....	11	15	89	106	Livingston.....	35	27	b	b
Arenac.....	a	a	28	32	Luce h.....				
Baraga.....	a	a	c 57	c 57	Mackinac.....	2	1	15	10
Barry.....	c 28	c 28	c 115	c 126	Macomb h.....				
Bay.....	32	27	b	b	Manistee.....	38	39	430	451
Benzie.....	a	a	b	b	Manitou.....				
Berrien.....	56	44	b	b	Marquette.....	28	37	1,342	3,482
Branch.....	34	40	236	311	Mason.....	9	11	68	79
Calhoun.....	63	71	361	384	Mecosta.....	12	24	17	64
Case.....	44	42	b	b	Menominee h.....				
Charlevoix h.....					Midland.....	11	14	29	28
Cheboygan.....	14	18	347	421	Missaukee.....	6	9	48	89
Chippewa.....	24	15	54	60	Monroe h.....				
Clare.....	4	8	79	94	Montcalm.....	42	49	b	b
Clinton.....	47	33	59	58	Montmorency h.....				
Crawford h.....					Muskegon h.....				
Delta.....	11	13	216	343	Newaygo h.....				
Dickinson.....	a	a	245	987	Oakland.....	41	54	97	92
Eaton.....	40	36	165	206	Oceana h.....				
Emmet.....	2	2	25	20	Ogemaw h.....				
Genesee.....	37	46	541	752	Ontonagon h.....				
Gladwin.....	3	5	50	75	Osceola.....	12	7	b	b
Gogebic.....	4	10	150	4,500	Oscoda.....	a	a	1 2	1 6
Grand Traverse.....		7		d 8	Otego.....	5	4	13	11
Gratiot.....	40	30	40	40	Ottawa.....	29	36	175	175
Hilldale.....	65	58	216	190	Presque Isle.....	a	a	17	25
Houghton.....	37	46	357	563	Roscommon.....	a	a	23	31
Huron.....	17	21	b	b	Saginaw.....	52	58	f 55	f 51
Ingham.....	35	36	i	i	Sanilac.....	13	14	106	121
Ionia.....	47	48	j	j	Schoolcraft.....	3	8	12	25
Iosco.....	10	10	54	60	Shiawassee.....	35	38	53	60
Iron.....	11	15	15	50	St. Clair.....	62	65	d 240	d 224
Isabella.....	17	20	d 59	d 62	St. Joseph.....	24	20	g 609	g 615
Jackson.....	39	43	b	b	Tuscola.....	32	39	456	573
Kalamazoo.....	62	73	496	k 684	Van Buren.....	34	35	d 141	d 149
Kalkaska h.....					Washtenaw.....	74	80	240	350
Kent.....	92	159	e 1,390	e 3,366	Wayne.....	351	460	4,616	30,960
Keweenaw.....					Wexford.....	10	8	125	191
Totals.....						1,938	2,204	14,527	51,782

a No poor house.

e In city of Grand Rapids.

i Expended \$90.75 in 1892 and \$176.10 in 1893.

b Had no data.

f In city of Saginaw.

j \$890.00 " " \$335.41 " "

c For whole year.

g To July 1st.

k To date 750 and increasing daily.

d Families.

h No report received.

l Expended \$20.00 in 1892 and \$132.37 in 1893.

It should be remembered that the figures in the above table cover the last three months of 1892 and 1893, and that the figures for 1893 give the number of persons receiving assistance for what may be the worst months of the year. They do not represent the usual number of persons receiving temporary relief in counties having cities and villages within their border.

The following letter from Mr. R. Morrill, chairman of the board of superintendents of the poor of Berrien county, is a fair sample of the many communications received by this bureau on this subject and will be found interesting, voicing as it does other correspondents from different sections of the State:

COUNTY POOR FARM,
Berrien Springs, Mich., Feb. 13, 1894. }

CHAS. H. MORSE, *Lansing, Mich.:*

DEAR SIR—I enclose report of inmates of our county house Dec. 31, 1892 and 1893. Regarding the temporary relief outside the county house at date named we have no means of knowing accurately owing to the fact that much of this is done by township supervisors who report June 1st and October 1st, and in many instances do not give exact date of relief. The work of the superintendents of the poor might be reported on but this year it would give but a faint idea of what is really being done.

We can always give an accurate report October 1st for the fiscal year ending at that date as we then report to the board of supervisors and at no other time of the year can we make an accurate report on expenditures. As for the report for Dec. 31, 1892, we could by going through the files of bills rendered and separating them give you the amount, but the bills that would come in the report for Dec. 31, 1893, are not in yet. This is a county in which the county poor are distinguished from the township poor, and as a matter of reliable information such a report from us would have little value, as the townships and cities take care of all the poor they have who have gained a settlement by a residence of a year, so you see we only get the homeless and friendless together with the "professional tourist" and I am very much surprised to find them so scarce this winter. But with the supervisors it is different. They have an entirely new class of paupers to care for—laboring men and mechanics who have never before had public aid. I think it would be a perfectly safe assertion that the amount of public money being expended this winter for temporary relief is two to three times what it was last winter and is now rapidly increasing, so much so that some of our township boards have called special meetings to provide funds for this purpose.

Yours respectfully,

R. MORRILL.

Chairman Board Superintendents of Poor, Berrien County.

Table No. 4 shows the number of persons maintained in the poor houses of the State or maintained at public expense in whole or in part outside of poor houses since 1871. This table is prepared from data furnished by reports of county superintendents of the poor and published under the direction of the Secretary of State. It is certainly gratifying, that while the State has doubled its population since 1871, the average increase in the number requiring assistance, is a very small per cent of the increase in population. Quite likely the average citizen will be surprised to see the number increase very materially in certain years, then gradually fall away, and then suddenly showing an increase quite unexpected. It has been said "The poor are getting poorer" in this country but the statistics embodied in Table No. 4 will hardly warrant this assertion.

TABLE No. 4.—*Giving the number of people maintained at public expense for the past 23 years.*

Years	Whole number of paupers maintained in poor houses.	Persons temporarily relieved.	Number of permanent paupers maintained outside the poor houses.	Whole number of different persons who have received assistance in any form.
1871	3,156	14,600		
1872	3,457	11,576		
1873	3,796	13,765		
1874	4,541	26,383		
1875	5,282	26,074		
1876	5,188	35,410		43,286
1877	6,356	48,168	1,309	54,001
1878	7,078	35,748	1,272	42,557
1879	7,906	34,379	1,950	45,154
1880	6,547	33,202	1,183	40,879
1881	5,880	35,680	2,797	42,730
1882	5,575	30,875	5,239	25,960
1883	6,114	29,651	3,846	36,196
1884	6,091	25,989	3,639	36,928
1885	5,719	42,866	1,970	50,484
1886	4,990	26,327	1,744	40,454
1887	4,191	21,591	2,307	33,080
1888	4,607	36,000	2,398	43,194
1889	4,847	36,419	2,696	43,246
1890	4,910	37,049	3,450	45,294
1891	5,265	40,269	2,670	46,596
1892	5,110	36,758	3,297	43,912
1893*	5,597	42,485	3,408	50,979

* Not yet published.

In explanation of the footings in this table, it should be stated that a person may appear as counted twice or even more. He may be counted as temporarily relieved once or more, and may also have been in the poor house, all the same year. These figures really are not footings, but are a correct statement of the "whole number of different persons receiving assistance in any form during the year."

PART V.

COMPETITION OF FREE AND CONVICT LABOR.

The competition by which free labor suffers from convict labor has caused more or less complaint from labor organizations and received considerable attention from the legislature during several sessions.

The laws governing the prisons of the State have been framed with reference to this question.

The Labor Bureau has endeavored to show as near as possible what this competition is, and to this end has asked and received from wardens and superintendents of penal and reformatory institutions reports covering this question quite fully.

Those convicts engaged either on contract or State account, in the manufacture of goods sold outside prison walls, are really the only competitors of free labor. The number of these, it will be seen, is very much less than the whole number of convicts. From careful inquiry of wardens, contractors, foremen and keepers it is quite evident that, owing to various causes unnecessary to mention here, convict labor accomplishes less than one-half what free labor will accomplish.

Conceding these estimates to be correct, it will be seen that actual competition from this source is reduced much below the general estimate.

It is not the intention to enter into a lengthy argument for or against this question. One thing, however, may be noted: The most complaint comes from skilled laborers and it is often said, "Let convicts be employed at building roads, breaking stone, etc."

Supposing this is done, it will be no less competition with outside labor, and the inquiry naturally arises, which can stand this competition best, skilled labor commanding good wages, or common labor, working for little more than a dollar a day? Several things must be considered in settling this matter if equal justice is meted out to all.

It is presumed that no intelligent person expects convicts to be kept in idleness, and that while the State should not attempt to see how much money can be made, it should endeavor to make prisons in a measure self-supporting. This is only justice to the taxpayers of the State.

Following this will be found official statistics from each of the penal institutions in the State, from which it will be seen that the whole number of convicts in the several State prisons on the 30th of November, 1893, who enter into competition with free labor was:

State Prison at Jackson	531
State House of Correction at Ionia	250
State Prison, Branch at Marquette	65
Detroit House of Correction	560
Total	1,406

Dividing this number by two, (the acknowledged difference between free and convict labor) we find that prison labor to the amount of 703 men was all that could be justly claimed as competing with the free artisans and mechanics of Michigan at that date (Nov. 30, 1893). Surely the great army of intelligent, free laboring mechanics and manufacturers of this State cannot complain of this, when the above deductions are taken into consideration.

In this connection, communications from wardens and superintendents bearing on the question are published and will be found interesting. Some of these communications advance the idea that the most serious competition labor has to contend with is child labor. Indeed, much of the work done in the prisons (notably that of cane seating chairs) only competes with outside child labor. If this is so, it reduces still farther the competition from prison labor. Unquestionably public sentiment is more and more demanding that children under fourteen years of age should not be allowed to work in factories. It is quite clear that children under that age *should* be in school. If they are shut out of factories, compulsory attendance at school ought to be enforced and truant officers should be compelled to do their full duty.

STATE PRISON, AT JACKSON.

Number of convicts November 30, 1892	803
" " " " " 1893	835

CONTRACT WORK.

	No. of convicts working.	Average price per day.
Withington & Cooley Manufacturing Co.	262	\$0 53 $\frac{1}{2}$
Austin, Tomlinson & Webster Manufacturing Co.	150	54
C. W. Hill's stone contract	33	60
Central City broom contract	58	50
Jackson Tool Co.	25	50
Cane Company	3	50

Whole number of convicts working on contract work..... 531

The balance of the convicts are either idle or used for various work in and about the prison.

The average cost per day for feeding and clothing the men during the twelve months ending November 30, 1893, was a trifle over eleven and one tenth cents per capita.

STATE HOUSE OF CORRECTION AND REFORMATORY AT IONIA.

Number of convicts November 30, 1892	302
" " " " " 1893	376

MANUFACTURING ON STATE ACCOUNT.

At work on bedroom suits	100
At work caning chair seats	95
Whole number working for State	195
Average daily earnings per capita:	
Bedroom suits	\$0 46
Caning chair seats	34

The products of their work is valued at market prices.

MANUFACTURING ON CONTRACT.

	No of convicts working.	Average price per day.
Knitting gloves	27	\$0 56
Knitting hosiery	20	50
Cabinet making	8	50
Whole number working on contract	55	
Entire number working at manufacturing	250	

The rest of the men confined at this institution are at work on clothing and shoes used inside the prison, and at various work in its several departments.

The average cost for maintenance, clothing, shoes, etc., is a little more than eighteen cents per capita.

STATE HOUSE OF CORRECTION AND BRANCH PRISON AT MARQUETTE.

Number of convicts November 30, 1892	115
" " " " " 1893	116

ENGAGED IN MANUFACTURING.

Number of men in broom factory in December, 1893	36
" " " " knitting " " " "	29
Total number employed in industrial work	65

The other fifty-one men are engaged in work in and about the prison.

The warden does not give the cost per capita for the maintenance of the convicts in this prison.

DETROIT HOUSE OF CORRECTION.

Number of inmates November 30, 1892	757
" " " " " 1893	746

The average number of inmates for the year 1893 is about 800, of which about three-fourths are engaged on productive work and the other one-fourth are employed about prison duties, hospitals, etc.

Value of articles produced for 1893:

Chairs, rockers, cradles	\$185,000
Pearl buttons	65,000

The average cost per day for feeding, clothing, etc., is about thirty cents per capita.

INDUSTRIAL SCHOOL FOR BOYS.

Number of inmates November 30, 1892.....	413
" " " " " 1893	462
Employed in printing office	50
Carpentry department	60
Tailor shop	50
Shoe shop	8
Cane seating	124

The balance are engaged in general work about the institution and on the farm.

It will be seen that the work done at this institution can scarcely be classed as competitive to free labor, as its inmates are justly considered wards of the State, and the industrial work they do is to a great extent necessary in giving practical instruction in teaching the several trades. Only that of cane seating chairs can come under this head, and this is very small as compared to its benefits.

STATE INDUSTRIAL HOME FOR GIRLS AT ADRIAN.

Number of inmates November 30, 1892	221
" " " " 1893	225

Regarding the work done by its inmates the communication of its superintendent, Mrs. Lucy M. Sickles, on a following page, will be found both instructive and interesting. It will be seen that very little, if any, of the work done enters into competition with outside labor.

The Industrial School for Boys and the Industrial Home for Girls deserve more than passing notice.

The inmates of these institutions are, as before noted, peculiarly the wards of the State. It takes them at a tender age from questionable associations, keeps them till homes can be found for them. No inconsiderable number go out of the institution young men and young women. All have the taint on them that they have been criminals. This is a busy, pushing world, and, from the very nature of things, they commence the battle of life with the odds against them.

It is not too much to say, that the State will not have done its whole duty unless, besides finding respectable homes for a part it shall also fit those who remain to earn an honest living and make it possible for them to be other than criminals when they go out from its care. The management of these institutions are doing all in their power in this direction. They should not be hampered either by lack of means, unfavorable legislation, nor unfriendly sentiment. The communications from Mr. St. John and Mrs. Sickles will commend themselves to all. Mrs. Sickles particularly states fully not only what she is doing now for her girls, but also what she would do if she could.

MICHIGAN STATE PRISON, }
Jackson, February, 1894. }

Hon. Chas. H. Morse, Commissioner of Labor, Lansing, Mich.:

DEAR SIR—Your note requesting me to give my views in relation to the employment of convict labor, received. In reply will say, assuming that every convict in the prison is a man who is entitled to the right of competing with some other man in any labor and should be self supporting while receiving protection from the State as its citizen.

Whenever by disobedience of the law a man is arrested and sent to prison, he should be employed at industrial labor and be required to earn from the product of this labor a sufficient amount to pay for his care while incarcerated in prison. It is necessary for the safety of society that he be required to do so, else on his discharge from prison he is likely to become a dependent or a criminal.

Again, if the State undertake to protect the lives and property of its citizens it certainly must insist on the right to require the convict who is apprehended, tried, and imprisoned at public expense, to compensate somewhat for this expense through his own labor. I believe it is the right and the duty of the State to insist on this principle in the management of all its penal institutions. I am not prepared to say to what extent convict labor affects free labor. I am inclined, however, to believe the proportion is quite small.

My observation leads me to conclude that the system of letting convicts on contract is the best financial policy for the State under our present congregate system of prisons. The piece work plan, or working men on State account, is more likely to interfere with free individual labor than the product of large industries carried on under the contract system. Without entering into further argument, I simply submit the result of my observation on this question.

Yours very truly,
WM. CHAMBERLAIN,
Warden.

STATE HOUSE OF CORRECTION AND REFORMATORY, }
Ionia, Michigan, January 19, 1894. }

Commissioner of Labor, Lansing, Mich.:

MY DEAR SIR—Convict labor, as compared with free labor, has become almost a party issue, irregardless of facts or figures, hardly significant to the extent as made manifest through exhaustive reports by individuals and corporations, and devoid of subject matter. A careful investigation of my three years administration at the State House of Correction and Reformatory, reveals the following:

Labor performed for the State in the different departments here will not exceed 50 per cent as compared with free labor, and in some instances will not more than 40 per cent; the reasons are plain to every careful observer. Overseership, in the form of guards, and foremen in many instances the result of political patronage, previously compensated for upon party lines, and appointed to fill responsible positions, irrespective of character, experience or ability. Lack of capital invested by the incumbent, injudicious State legislation depriving convicts of compensation for overtime; prison discipline, reformatory processes, all conducive to disinterestedness and wastefulness, attended with disastrous results, and rendering the convict's sentence merely a matter of passing away the time. The contract labor system in prisons is more fruitful of results. Capital invested must needs be protected irregardless of all reformatory processes. A foreman is selected of the highest standard in which character, experience and ability usurp the place of politics. Convicts are tasked to their utmost ability with an incentive by way of compensation for overtime. Rules are harsh and rigid yet inexorable. They are closely watched and studied, the right man for the right place selected with care, and upon a thorough knowledge of and experience with men. Protected by contract as to sickness and all disability, hence good results, and more formidable compensation against free labor. Basing free labor on a scale of one dollar per day, contractors can pay fifty cents for convict labor, deriving a fair profit from limited capital.

Therefore, the significance of and defects in the prison labor system in behalf of the State are made obviously apparent, and in this enlightened age of the nineteenth century it is almost an ignominious failure. Whereas, with wise and judicious legislation, irrespective of public sentiment, strictly non-partisan, securing men of character and efficiency for protection and instruction, establishing rules commensurate to the industries which tend to enhance upon the convict's condition, create an interest, inspire motives, and good results will ensue; fallen humanity is elevated, taxation is reduced, commerce is strengthened and increased.

E. PARSELL,
Warden.

STATE HOUSE OF CORRECTION AND BRANCH PRISON, {
Marquette, Mich., Jan. 9, 1894. }

Chas. H. Morse, Esq., Commissioner of Labor, Lansing, Michigan.

DEAR SIR—There is no doubt in my mind that the question of convict labor has been given a more prominent place in the politics of the country than it should occupy, by reason of the fact that it is looked upon by demagogues as a convenient stepping stone to office or an easy road to the votes of the working men. It is a certainty that so long as our courts commit convicts to hard labor, and the law makes it the duty of prison officials to execute the sentences of the courts, the question will be a bugbear to the laboring men. A convict cannot labor without, to some extent, becoming a competitor of a free man who labors. Why don't the agitators of the labor question give some attention to the matter of child labor, which is a very much greater competitor and carries with it the certain evil results to the child.

Again if convicts must labor why should not their labor be applied to some extent in a manner to make them self supporting and thus relieve the people of some of the burden of their support?

To confine men to dungeons without labor is the only logical remedy I can see for the bugbear of convict labor. Do we want to do this?

You are at liberty to use any information I have been able to furnish you. Trusting you will pardon my delay in answering,

I am very truly yours,
 J. R. VAN EVERA,
 Warden.

DETROIT HOUSE OF CORRECTION, {
Detroit, Mich., Dec. 19, 1893. }

Hon. Chas. H. Morse, Commissioner of Labor, Lansing, Mich.

DEAR SIR With reference to the competition of prison labor with free labor, I am now, and always have been, of the opinion that when properly conducted on business lines, and on the State Account System, such competition is reduced to the minimum. I believe the mechanic of today, whether he be skilled or unskilled, has a thousand times more to fear from child labor than from prison labor. The evil of the employment of young and tender children at an age when they should be on the playground, and at school, instead of in crowded, ill-ventilated work shops, is but just beginning to be fully realized. Aside from the danger to health and morals, each one of these children fills the place of a man, and yet the *weekly* wages paid such child is but about what a man would receive for a *single day's* labor. The result is obvious.

The child's labor is in demand, while the man walks the street vainly looking for employment. Although the legislature has at different times, in a faint way, sought to remedy this, and has enacted certain laws which would tend to check this great evil, still the fact remains that little or nothing has been accomplished. It is from these same employers of children that the cry against prison labor is the loudest, and thinking people are only beginning to comprehend their motives, viz., to distract the public attention from the far greater evil of child labor.

During the first six months of the present year we found a ready market at fair prices for all the goods we produced, but the financial stringency which set in all over this country during the month of June, and from the effects of which business has not fully recovered, largely curtailed the demand for our goods, and to such an extent that to prevent over-production, we found it necessary to lessen the production by working the inmates a shorter number of hours, increasing the number employed on prison duties and other non-productive labor in different ways that suggested themselves from time to time, my aim being to furnish the inmates with sufficient labor to preserve their health and at the same time curtail the production to the minimum. This could be done under no other than the State Account System; it being a well established fact that nothing is more detrimental to the health and morals of inmates of prisons than idleness.

Yours respectfully,
 JOSEPH NICHOLSON,
 Superintendent.

THE INDUSTRIAL SCHOOL FOR BOYS, }
Lansing, February, 1894. }

Hon. Chas. H. Morse, Commissioner of Labor, Lansing, Mich.:

MY DEAR SIR—In response to your request, I will endeavor to answer a few questions submitted in regard to the work performed by the inmates of the Industrial School.

In the way of manufacturing for the public we do nothing whatever. We have what is called a chair shop, where we cane chair seats, but we do nothing whatever that can be understood as competing with anything more than child labor.

Our printing office, where we employ fifty boys, is carried on entirely for the purpose of teaching the printers' trade. It is simply a school of instruction in that line. This is also true of our carpentry department, where we teach sixty boys the carpenter's trade. Our tailor shop is run on the same principle, with fifty boys, incidentally supplying the institution with the clothes worn by the inmates. We have eight boys at work in the shoe shop repairing the shoes worn by the boys, and making a few new ones. During the summer we employ from ten to one hundred boys on the farm.

Our boys are in school one-half of each day, and at work the other half in alternation.

I hope and expect that the next legislature will give this institution a small appropriation for the purpose of extending its facilities for carrying on trades-teaching more extensively. If we can take the average boy who comes to this institution, and give him a common school education, and at the same time equip him with some kind of trade by which he can be self-supporting when he goes out into the world, the outlay will be money well expended by the State of Michigan. To enlarge our shoe department, and put in the necessary apparatus requires an expenditure of more money than we can appropriate from our current expense fund.

Very truly yours,

J. E. ST. JOHN,
Superintendent.

STATE INDUSTRIAL HOME FOR GIRLS, }
Adrian, Mich., Jan. 24, 1894. }

Chas. H. Morse, Commissioner of Labor.:

DEAR SIR—In answer to your inquiry of "What are we doing in the home in the way of industry?" I will just make a statement of what we are doing and what we would like to do.

The majority of our girls come to us from off the streets, as you well know. Their education is street education, nothing more. Not one girl in fifty when she comes here knows how to do simple housework, to say nothing of cooking, baking, sewing or mending.

Many are dirty, even filthy, when they arrive at our door. We take them in in this condition and give them first a bath. Cleanliness is the first and last lesson taught here. Each and every girl of ordinary intelligence is taken through a course of training, which will fit her for earning an honest livelihood after she leaves us. Also to prepare her to keep a home of her own, if she is fortunate enough to find a helpmate.

Housekeeping is taught in all its branches, from dishwashing, scrubbing floors, tables or tin ware, to baking, cooking plain food and waiting table. Chamber work in all its details is taught. To dust and arrange rooms, to wash and iron nicely, to darn stockings and dresses, to patch neatly; also to make her own underclothes and lastly to make her own dresses.

We also have a dressmaking room where we detail girls to learn the trade. Here she is taught, as in a school, beginning with the first lesson and working up until she is able to cut and fit a dress. In this department we do a little outside work, by sewing for ladies on the grounds. The remuneration is small, but the change of work is necessary in order that she may learn different kinds of work, such as trimmings, etc. Would be glad if we could do more of this.

We also teach the girls to crochet, to do drawn work and to knit. From this we earn a little by selling our products. We crochet baby sacks and socks, ladies and childrens skirts, facinators, edgings, waists, corset covers, doylies, table mats, slippers and yokes. We knit mittens, baby socks and hose. We make baby dresses, dress dolls, piece quilts and quilt them and sew carpet rags. We have sold what we could at times; but it is not so much the money we want, it is work and a change of work.

During the summer season the girls do the work on the lawns, help care for the

flower beds, pick berries, make and weed garden, plant potatoes and corn, and in the fall they help harvest potatoes and roots. This is not hard work, but it is healthful and gives exercise as well as a change. Certainly there is nothing they enjoy more than this outdoor work.

These girls are to go out of here grown women. We cannot let them remain here idle. They have already inherited, or formed, indolent habits and now it is our work to break this up, create a desire to work, to be self supporting and honest. The greater part of their lives will be lived outside of here and unless we can have something for them to do we are creating paupers to fill your county houses in the coming years. Not only themselves, but their children will fill the poor houses, jails and penal institutions.

Work is what we want, but we want work that will be a help to the girls after leaving us. They come to us from factories, so we do not want to teach them work that will send them back into factories.

The girls all attend school in the afternoon from one to four and study one hour each evening to prepare lessons for the next day, still we would like to put in more work. The thought has been with us that a cooking school would be a grand thing. Cooks are needed everywhere and such can always find work. But what are we to do with the products and not infringe on the home bakeries?

If you or someone could help us by suggesting something, you will confer upon us a debt of gratitude.

Yours respectfully,

MRS. LUCY M. SICKLES,
Superintendent.

PART VI.

BUILDING AND LOAN ASSOCIATIONS.

In response to frequent requests for information concerning the work of building and loan associations in Michigan, the following circular was addressed to all associations organized under our State law.

GENERAL OFFICE OF THE _____, {
_____, November __, 1893. }

To the Commissioner of Labor, Lansing, Mich.:

Below you will find filled schedule with the name, location and other information asked from this association for the fiscal year ending _____, 189..

<p>_____, <i>Secretary.</i></p>	<p>_____, <i>President.</i></p>
Name.....	
Location.....	
Date of incorporation.....	
Receipts for fiscal year ending (a).....	
Per cent of expenses to receipts for fiscal year ending (a).....	
Assets (a).....	
Authorized capital stock.....	
Amount of capital stock in force (a).....	
Par value of shares.....	
Number of shares outstanding (a).....	
Number of shareholders.....	
Number of shareholders who are borrowers.....	
Appraised valuation of property mortgaged to the association.....	
Amount of insurance covering property mortgaged to the association.....	
Mortgages in force.....	
Average amount of mortgages.....	
How often are periodical payments made.....	
Amount of periodical payments.....	
Cost of loan to the borrower (b).....	
What is your premium method (c).....	
Highest premium bid received on a completed loan during year ending (a).....	
Lowest premium bid received on a completed loan during the year ending (a).....	
Average of premium bids made during the year ending (a).....	
What fine is imposed on delinquent members?	
Provisions applicable to withdrawing shares.....	
Amount of expense or other payments, if any, which cannot be withdrawn.....	

(a) Fill this with date when last fiscal year closed.

(b) i. e. The weekly or monthly payments on \$100.

(c) i. e. Is it "gross premium deduction" or "installment payment?"

Reports have been received from associations which are arranged for convenient reference in table No. 5.

A careful study of these figures suggest several interesting points for consideration by the public, some of which will be noticed briefly. It will be appreciated, however, that the conditions under which those reports are received by this Bureau, do not warrant anything in the nature of criticism of the work of any particular organization. But in self defense this Bureau is compelled to say that having undertaken the work at the solicitation of the associations themselves, it feels that it was entitled to more prompt and carefully prepared reports. Many of those came in the crudest and most unsatisfactory shape. The Bureau itself is therefore confined to a brief statement of the rise, growth and present condition of building and loan associations with general deductions from the figures found in the table referred to.

HISTORY.

The first associations of this character were organized among the laboring men in England in the early years of the present century, and were intended to assist their members in building homes by using the small weekly contributions of the entire membership (usually fifty) to erect houses, which were designated to the several members by lot. This process was repeated till each member had a house, when the association had performed its mission and expired. This was substantially the form in which it was introduced into this country sixty years ago. From this crude beginning has been evolved the building and loan associations of today. From the many changes that have been introduced into the business methods of these organizations during the past few years, it would seem probable that evolutionary processes are still at work, and that the character of the building and loan association of the future is not as yet fully determined. Statistics gathered by the Commissioner of Labor at Washington indicate that there are now about 6,000 associations in the United States having over \$500,000,000 of assets.

The business methods of these associations differ greatly from other financial institutions, and appear to many unnecessarily complex. This is to some extent true, and will doubtless be remedied by legislation which will allow an organization to do business along lines which modern experience has proven best for coöperative undertaking of this character.

The present building and loan law of Michigan was constructed to fit an order of things which has happily become ancient history, and the law should be brought into harmony with the needs of the business so as to best serve the interests of the public.

METHODS OF BUSINESS.

The typical Building and Loan Association of today has two classes of members—investing and borrowing. To become an investing member, one subscribes for a desired number of shares (the par value of which is usually \$100) and pays a small fee for membership. This fee is intended to cover the expense of putting new business onto the books of the association. After becoming a member, the shareholder pays on his stock fixed periodical weekly or monthly installments until such time as the amount he has paid—with the profits on same—equals the par value of his stock. Then his stock is said to have matured and he is paid the full amount his due, and his stock is canceled.

The borrowing member must be a shareholder in every way the same as the invest-

ing member, and, in addition, must give satisfactory security to the amount he wishes to borrow for the loan he makes. On this loan he pays interest in periodical payments until the stock which he carries matures—then the matured stock cancels the loan. In addition to the interest, the borrowing member pays what is called a premium for the priority of claim on the money at the disposal of the association. This premium is, with some associations, deducted at the time of making the loan, and with others is paid in installments with the interest.

WITHDRAWALS.

In every Building and Loan Association a shareholder—not a borrower—by giving the required notice (usually thirty days), can surrender his stock and receive, as its *withdrawal value*, such amount as is provided in the by-laws of his association. These withdrawal provisions vary greatly, and are a proper subject of investigation by one thinking of taking building and loan stock.

The plan of every Building and Loan Association being purely co-operative, it is necessary that there should be some incentive for shareholders to continue their stock to maturity. In the earlier associations, this was accomplished by compelling withdrawing members to forfeit all they had paid in as installments. To-day the withdrawal provisions of different associations vary all the way from requiring an actual loss to the shareholder who withdraws within four or five years, to the paying back all installment payments with a low rate of interest. Borrowing members must first pay their loans before they can withdraw.

FINES.

The genius of the building and loan plan requires that members make their periodical payments promptly, that the management of the association may know what funds will be available for use each week or month. A properly conducted association will never have on hand any large amount of money.

In order to insure prompt payment of dues, it is necessary to stimulate members by imposing a fine on delinquents. These fines should be sufficiently large to accomplish the desired result, but ought never to be extortionate. Reference to Table No. 5 will show the provisions concerning fines of the associations reporting to this Bureau.

COST OF LOAN TO BORROWER.

The cost of a loan to the borrower per week or month is shown in Table No. 5. These payments must be made until the stock matures. As most Michigan associations have not, as yet, matured their first series, the total cost to the borrower can only be estimated. The experience of the older associations, however, makes a close approximation possible. The total average of payments to the Building & Loan Associations which have matured stock, will probably amount to about the same as if the borrower had made a straight loan at six per cent and paid the entire loan at maturity.

The borrower who wishes to repay his loan before the maturity of his stock will find that the cost of his loan for a short time has been much more pro rata than for the full life of the stock.

To illustrate: A man who has ten shares of stock and a loan of \$1,000 will find, if he desires to pay off his loan at any date before maturity, that he owes the association \$1,000 less the withdrawal value of his shares. Thus the withdrawal provisions of an

association are of vital interest to the borrowing member who anticipates wanting to pay off the loan before maturity.

BENEFITS.

The value of the building and loan plan both as a profitable and wise means of systematic saving, and as the easiest and most practical way for securing a home to the majority of wage earners, is so well established as to need no argument from us.

The various plans of different associations are worthy the study of those who would invest.

The statistics contained in Table No. 5* furnish abundant evidence of the necessity of rigid supervision. The very insignificant expenses of many associations would indicate that either the method of computation was incorrect or that a sufficient amount was not being expended to insure good work.

The column which shows percentage of expenses should not be taken as a correct estimate of the value of the work done and the cost of the same. There are such apparent differences in the methods of making these figures that they are positively unreliable as a basis of comparison. Work that is being done for nothing is usually worth nothing. The public should distinctly understand that the building and loan association of today is not a philanthropic institution, organized and managed merely as a charitable undertaking, but a great and growing financial enterprise, in the proper organization and management of which the whole commonwealth is interested.

The vast interest represented by these institutions indicates they should be placed under strict state supervision, so that the integrity of their management can be ascertained and their different methods of business discussed and criticised, as is not feasible or proper where statistics are voluntarily given to a bureau with no authority to collect them. There is a marked difference of opinion as to which bureau, under the present system of state affairs, the supervision of building and loan societies should be trusted. It is the conviction of the officers of the Labor Bureau, after having given the matter considerable thought, that the business could naturally come under either, the Banking or Insurance Bureaus. There are strong arguments in favor of both, and to either of them could properly be assigned the work. This inspection need not entail any great expense to the State, one extra clerk attached to the bureau making it, could accomplish all that is desirable.

The most vexing question in this connection is that of taxation. With a show of justice the building and loan societies claim that the State can ill afford to tax the kind of thrift which makes their societies possible. They claim that the savings, gathered and invested by their societies, in the great majority of the cases, would not exist but for their institutions. They say that the taxing of these savings will to a great degree, discourage the economy and thrift of that class of citizens upon whose thrift and good citizenship the welfare of the commonwealth mainly depends. On the other hand, a reference to Table No. 5 will show that four-fifths of the shareholders in the Building & Loan Associations of Michigan are investors, and only one-fifth borrowers. In other words eighty per cent of the membership has gone into these societies for the same reason that men loan money after other methods. They have made an investment pure and simple, and it seems only just that the tax burden of one class of investors should be equal to those of every other.

* See pages 460-65.

WITHDRAWAL PLANS.

The plans of withdrawal in vogue in the different associations are so many and so different that they are given in full in the paragraphs which follow, instead of being included in Table No. 5.

OTTAWA COUNTY BUILDING & LOAN ASSOCIATION.—Installments and 9% interest for average time, after two years, 5% remaining profit, three years, 10%, four years, 20%, five years, 30%, six years, 50%, seven years, 75%.

THE SAVINGS BUILDING & LOAN ASSOCIATION OF BAY COUNTY.—6% allowed on all withdrawals.

PEERRINGTON BUILDING & LOAN ASSOCIATION.—Receive 8% interest on amount paid.

THE NORTHVILLE LOAN & BUILDING ASSOCIATION.—We require thirty days notice. Said notice to be given in writing at a directors' meeting.

PORT HURON LOAN & BUILDING ASSOCIATION.—Thirty days notice.

THE AMERICAN LOAN & BUILDING ASSOCIATION.—During first year, the actual amount of dues paid in, second year, the same and one-fourth the net earnings, third year, one-third the net earnings, fourth year, one half the net earnings, fifth year, three-fourths of the net earnings, sixth year, eight-tenths of the net earnings, seventh year, nine-tenths of the net earnings.

HURON VALLEY BUILDING & SAVINGS ASSOCIATION.—"Shares can be withdrawn upon thirty day's notice, with earnings up to 6% if a member less than one year, 7% afterwards.

PETOSKEY PERMANENT SAVINGS LOAN & BUILDING ASSOCIATION.—All dividends declared and profits earned above 6% shall accrue to the Association if the stock be withdrawn or canceled within one year after its date of issue. After one year withdrawal value to be all installments paid and seven per cent per annum thereon; after two years, three-fourths of book value (credited earnings) and after four years, four-fifths of the same; and after six years, such sum as may be mutually agreed upon between the board and the withdrawing shareholder."

ANN ARBOR SAVINGS ASSOCIATION.—"We allow withdrawals upon thirty day's notice giving withdrawing members 6% per annum first year, 7% after first year.

JACKSON BUILDING & LOAN ASSOCIATION.—"Surrendered shares are paid one-half of earnings."

CAPITOL INVESTMENT BUILDING & LOAN ASSOCIATION.—"On all stock subscribed after October 11, 1892, withdrawing shareholders shall receive the full amount of their installment payments and after six months will be paid interest on such payments at 6% per annum.

NORTHERN MICHIGAN BUILDING & LOAN ASSOCIATION.—All payments except membership fees and 50% of profits two and one-half years old, 55% of profits, three years old, 60%, three and one-half, 65%, four, 70%, four and one-half, 75%, five, 80%, five and one-half, 85%, etc."

THE SOO MUTUAL BUILDING & LOAN ASSOCIATION.—"Six per cent to two years, one-third profits of two years old stock, one-half profits on three years old, two-thirds on four years, five-sixths on five years, and all profits after six years. Board have power to pay off clear stock after six years with all profits."

NILES BUILDING & LOAN ASSOCIATION.—"Amount paid in on dues."

THE EQUITABLE SAVINGS & LOAN ASSOCIATION.—"Six per cent interest is allowed subject to the law on withdrawals."

PEOPLE'S BUILDING & LOAN ASSOCIATION OF SAGINAW COUNTY.—"Any time during first two years all installments are paid with 6% interest, after this time an additional rate is paid varying according to time and profits."

KALAMAZOO COUNTY BUILDING & LOAN ASSOCIATION.—"Must give thirty day's notice. If withdrawn one year from date, will receive amount paid to the loan fund minus unpaid fines. If withdrawn after one year from date, will receive amount paid to loan fund with interest at 6% per annum net, minus unpaid fines."

BENTON HARBOR BUILDING & LOAN ASSOCIATION.—"May withdraw on thirty day's notice if there is money on hand. Notice not required if money is in treasury."

BUCHANAN BUILDING, LOAN & SAVINGS ASSOCIATION.—"Pay back nothing but their monthly installments."

MARQUETTE BUILDING & LOAN ASSOCIATION.—"By-laws require thirty day's notice and allow 6% interest for average time. In practice we allow withdrawals on demand."

DETROIT LOAN & BUILDING ASSOCIATION.—"Six per cent interest paid on withdrawals on shares six months old."

IRON MOUNTAIN BUILDING & LOAN ASSOCIATION.—"Withdrawing members lose all dividends above seven per cent, by withdrawing after being in a year or sooner, they lose all above 6%."

THE NATIONAL LOAN & INVESTMENT CO.—"For each payment of seventy-five cents made on one share, sixty-five cents may be withdrawn with interest as follows: Stock three months and under two years old, 6%; two years old and under four years old 7%; four years and over, 8%."

MUTUAL HOME & SAVINGS ASSOCIATION.—"Thirty days' notice with all declared earnings."

THREE RIVERS BUILDING & LOAN ASSOCIATION.—"Any non-borrowing stockholder wishing to withdraw from the association may do so by giving written notice to the secretary, and shall be entitled to have repaid to him, on surrender of his pass book and stock, the actual amount of the installments paid by him on such share less all fines he may owe to the association, and after paying installments for one year or upwards, in addition thereto he shall receive 5% per cent interest on the total amount he has paid in for one-half the time he has paid dues. After the series shall have become five years old, on voluntary withdrawal a stockholder shall be entitled to receive, in addition to the interest hereinbefore stated, one-third of the remaining profit to the credit of his shares; when six years old, the interest and two-thirds of the remaining profit, and when seven years old or upwards the full book value: *Provided*, That at any time when the directors have accepted loans to meet they may require thirty days' notice of the withdrawal: *And provided further*, That at no time shall they be required to use more than one-half of the weekly receipts to pay withdrawing shareholders."

THE GRAND RAPIDS MUTUAL BUILDING & LOAN ASSOCIATION.—Shares can be withdrawn on written notice of thirty days. Interest paid on withdrawals at rate of 5% per annum for average time the Association has had the money if one year or over, less than one year no interest is allowed.

THE ALPENA LOAN & BUILDING ASSOCIATION.—Receives all dues paid in and six per cent interest on same for average time.

THE STANDARD S VINGS & LOAN ASSOCIATION.—"Sixty-five cents per share per month and after one year 8% will be added, after two years, 9%, and after three years, 10% per annum will be added for the equated time."

THE ADRIAN BUILDING & LOAN ASSOCIATION.—“After having been a member at least one year, they are entitled to three-fourths of all profits up to the last statement inclusive.”

MICHIGAN SAVINGS & LOAN ASSOCIATION.—“Any shareholder wishing to withdraw from the Association may be allowed to do so, but the Association shall not be required to pay out more than one-half of the net receipts of the monthly installments paid in that month. Shareholders withdrawing their stock shall be entitled to receive all amounts paid in, except the entrance fee, ten per cent from each monthly installment per share, and such fines as may be due, together with simple interest as follows: On all certificates running three months and under two years, six per cent per annum; on all certificates running two years and under four years, seven per cent per annum, and on all certificates in force four years and upwards, eight per cent per annum, interest to be computed on the sum refunded for the average time that said sum has been paid.”

INDUSTRIAL BUILDING & LOAN ASSOCIATION.—“All payments at any time together with 6% if payments are left three months or over.”

MANISTEE BUILDING & LOAN ASSOCIATION.—“After six months membership at the rate 6% per annum on payments made. If no funds on hand, thirty days notice required.”

WEST SIDE BUILDING & LOAN ASSOCIATION.—“Thirty days notices 4% on deposits if left three months, 5% six months, and 6% if left one year.”

SHIAWASSEE SAVINGS SOCIETY.—Book value at five years and over; at three to five years, 6% and 10% on remaining earnings; under three years 6%.”

THE BATTLE CREEK LOAN & BUILDING ASSOCIATION.—“Receive amount paid in with interest at rate 6% per annum for first year; 8% fourth year; 10% fifth year; and after fifth year all its earnings. Interest commencing after first thirteen weeks.”

WEST BAY CITY BUILDING, LOAN & SAVINGS ASSOCIATION.—“All dividends declared and profits earned above six per cent shall accrue to the Association if the stock be withdrawn or canceled within one year after its date of issue. After one year withdrawal value to be all installments paid and 7% per annum thereon, after two years, three-fourths of book value (accredited earnings) and after four years, four-fifths of same; and after six years, such sum as may be mutually agreed upon between the board and the withdrawing shareholder.”

MUTUAL BUILDING & LOAN ASSOCIATION.—“Thirty days.”

CITIZENS BUILDING & LOAN ASSOCIATION.—“May withdraw on thirty day's notice and receive 6% per annum on amount paid in.”

HOMESTEAD LOAN & BUILDING ASSOCIATION.—“Thirty day's notice.”

THE SAGINAW BUILDING & LOAN ASSOCIATION.—“Thirty day's notice, not enforced, can withdraw at once.”

THE PENINSULA BUILDING & LOAN ASSOCIATION OF GRAND RAPIDS, MICHIGAN.—“Payable on demand.”

TABLE No. 5.

Name.	Location.	Date of incorporation.	Fiscal year ends.
Ottawa Co. Building & Loan Association	Holland	May 19, 1888	July 1, 1898.
*Industrial Building & Loan Association	Three Oaks	1888	
The Savings, Building & Loan Ass'n of Bay County	Bay City	October, 1887	Sept. 30, 1898.
Perrinton Building & Loan Association	Perrinton	April 6, 1889	Dec. 31, 1892.
The Northville Loan & Building Association	Northville	Jan. 29, 1889	Oct. 15, 1893.
Port Huron Loan & Building Association	Port Huron	April 19, 1888	June 14, 1893.
St. Joseph Valley Building & Loan Association	Niles	June, 1887	June 15, 1893.
American Building & Loan Association	Jackson	Sept. 2, 1889	Aug. 31, 1893.
Huron Valley Building & Savings Association	Ann Arbor	1891	Dec. 31, 1892.
Petoskey Permanent Savings, Loan & Building Ass'n	Petoskey	June 25, 1891	June 30, 1893.
Ann Arbor Savings Association	Ann Arbor	Jan., 1891	Dec. 31, 1892.
Jackson Building Loan Association	Jackson	June 16, 1890	June 19, 1893.
Capital Investment Building & Loan Ass'n, Class A	Lansing	Mar. 13, 1890	Oct. 14, 1893.
Class B	Lansing	Mar. 13, 1890	Oct. 14, 1893.
Northern Michigan Building & Loan Association	Hancock	Jan. 22, 1889	Mar. 1, 1893.
The Soo Mutual Building & Loan Association	Sault Ste. Marie	July 31, 1888	July 31, 1893.
†Niles Building & Loan Association	Niles	May 20, 1891	June 12, 1893.
The Equitable Savings & Loan Association	Flint	July 8, 1889	Oct. 31, 1893.
People's Building & Loan Association of Saginaw	Saginaw, E. S.	May 3, 1887	April 30, 1893.
‡Kalamazoo County Building & Loan Ass'n { Class A }	Kalamazoo	Feb. 28, 1893	
Class B			
Class C			
Benton Harbor Building & Loan Association	Benton Harbor	Dec. 15, 1888	Jan. 1, 1893.
Buchanan Building, Loan & Savings Association	Buchanan	June, 1888	June 17, 1893.
Marquette Building & Loan Association	Marquette		April 1, 1893.
Detroit Loan & Building Association	Detroit	June, 1887	May 31, 1893.
Iron Mountain Building & Loan Association	Iron Mountain	Aug. 22, 1890	Dec. 31, 1892.
The National Loan & Investment Co.	Detroit	Nov., 1889	July 15, 1893.
Mutual Home & Savings Association	Grand Rapids	Dec. 18, 1889	Dec. 31, 1892.
Three Rivers Building & Loan Association	Three Rivers	Feb., 1887	Jan. 30, 1893.
The Grand Rapids Mutual Building & Loan Association	Grand Rapids	Feb. 28, 1888	May 6, 1893.
Valley City Building & Loan Ass'n of Grand Rapids	Grand Rapids	Oct. 7, 1887	Nov. 27, 1893.
The Alpena Loan & Building Association	Alpena	March, 1888	Mar. 14, 1893.
§The Standard Savings & Loan Association	Detroit	April 26, 1893	Nov. 30, 1893.
The Adrian Building & Loan Association	Adrian	Aug. 5, 1889	Aug. 30, 1893.
Michigan Savings & Loan Association, Class A	Detroit	Oct. 18, 1889	Nov. 31, 1893.
Class B	Detroit	Oct. 18, 1889	Nov. 31, 1893.
Industrial Building & Loan Association	Detroit	Nov., 1892	Nov. 30, 1893.
Manistee Building & Loan Association	Manistee	Mar. 13, 1888	May 2, 1893.
West Side Building & Loan Association	Grand Rapids	Nov. 22, 1887	Jan. 5, 1893.
Shiawassee Savings Society	Owosso	May 7, 1887	Dec. 30, 1892.
Battle Creek Loan & Building Association	Battle Creek	Aug. 11, 1887	Nov. 13, 1893.
West Bay City Building, Loan & Savings Association	West Bay City	May, 1891	Dec. 30, 1893.
Mutual Building & Loan Association	Bay City	April 14, 1890	Oct. 9, 1893.
"Citizens Building & Loan Association	Flint	June 14, 1887	Dec. 11, 1893.
Home Savings & Loan Association	Battle Creek	May 12, 1890	Dec. 31, 1893.
Homestead Loan & Building Association	Albion	July 29, 1889	July 17, 1893.
Saginaw Building & Loan Association	Saginaw, W. S.	April, 1888	April 22, 1893.
The Peninsular Building & Loan Association	Grand Rapids	June 1, 1889	May 28, 1893.
Totals			

* For 5 fiscal years.

† For 24 months.

‡ For 6 months.

§ For 7 months.

|| For 3 months.

TABLE No. 5.

Receipts for fiscal year.	Per cent of expenses to receipts for fiscal year.	Assets.	Authorized capital stock.	Amount of capital stock in force.	Par value of shares.	No. of shares outstand- ing.
	3	\$115,467 89	\$1,000,000 00	\$100,000 00	\$100 00	3,425
\$26,091 00	1 1-10	28,781 49	100,000 00	72,100 00	100 00	721
69,932 34	2 1/4	272,068 54	1,000,000 00	164,918 63	100 00	7,878
1,699 32	1 2-5	8,174 68	250,000 00	30,050 00	50 00	801
7,762 22	1 62-100	16,492 15	500,000 00	11,134 30	100 00	805
54,975 59	57-100	118,761 96	1,500,000 00	117,770 52	100 00	6,374
11,889 70	3 1/4	51,171 26	150,000 00	135,300 00	100 00	1,352
47,410 79	9-10	72,787 00	1,000,000 00	212,250 00	125 00	1,698
32,696 68	7-10	71,576 08	5,000,000 00	216,800 00	100 00	2,168
4,605 90	8 7-10	7,878 68	2,000,000 00	40,600 00	100 00	406
20,804 44	9-10	67,848 79	5,000,000 00	112,600 00	100 00	112,600
20,668 52	4		784,000 00	75,800 00	100 00	489
273,387 34	6 45-100	442,838 30	50,000,000 00	2,448,100 00	100 00	24,481
273,387 34	6 45-100	442,838 30	50,000,000 00	2,448,100 00	100 00	24,481
133,119 90	3 6-10	216,457 21	2,000,000 00	1,374,500 00	100 00	12,745
55,957 56	2 8-100	131,353 09	3,000,000 00	391,700 00	50 00	7,834
19,772 60	3 1-10	21,493 13	150,000 00	144,300 00	100 00	1,332
18,010 25	3	43,956 36	5,000,000 00	158,300 00	100 00	1,583
157,479 78	1 72-100	420,018 26	5,000,000 00	1,394,800 00	100 00	13,948
		6,085 15	200,000 00	107,700 00	100 00	1,077
12,406 34	1 5-10	32,093 41	200,000 00	77,100 00	100 00	771
5,725 00	8-10	25,101 52	100,000 00	62,100 00	100 00	621
43,812 28	2 6-10	153,214 46	1,000,000 00	513,000 00	100 00	5,130
33,823 11	1 6-10	61,913 08	5,000,000 00	226,500 00	100 00	2,265
12,370 76	2 83-100	20,461 85	5,000,000 00	16,538 79	100 00	1,331
1,522,062 47	8 58-100	1,455,564 75	20,000,000 00	7,269,100 00	100 00	72,691
127,434 00	1 57-100	161,706 22	5,000,000 00	680,000 00	100 00	6,800
38,155 20	98-100	62,998 68	625,000 00	135,375 00	125 00	1,107
48,907 07	1 8-10	111,163 12	5,000,000 00	367,600 00	100 00	3,676
78,497 86	1 38-100	133,988 25	2,000,000 00	262,600 00	100 00	2,626
33,040 22	2 12-100	162,560 02	2,000,000 00	450,600 00	100 00	4,506
24,536 60	8 1/4	22,516 21	25,000,000 00	233,700 00	100 00	2,337
57,622 71	2	110,514 00	1,000,000 00	106,547 14	100 00	2,974
200,552 55	7	560,282 35	25,000,000 00	2,000,000 00	100 00	20,000
200,552 55	7	560,282 35	25,000,000 00	2,000,000 00	100 00	20,000
100,201 00	707-1000	26,917 19	1,000,000 00	263,650 00	50 00	5,273
21,721 94	1 68-100	78,735 58	1,000,000 00	47,002 05	100 00	2,448
30,602 45	1 7-10	60,482 54	5,000,000 00	170,300 00	100 00	1,702
53,506 05	1 4-10	115,392 00	1,000,000 00	346,900 00	100 00	3,469
76,470 79	8-10	128,991 09	1,000,000 00	95,809 75	125 00	2,605
20,789 74	2	45,313 17	5,000,000 00	206,500 00	100 00	1,663
98,044 60		92,961 65	2,000,000 00		100 00	4,484
8,117 03	2 48-100	129,591 37	1,000,000 00		100 00	3,377
15,743 79	2 4-10	36,700 29	2,000,000 00	111,200 00	100 00	1,112
43,324 57	1 35-100	84,850 54	2,000,000 00	267,500 00	125 00	2,140
58,752 64	2 1/4	162,425 37	5,000,000 00	84,525 75	100 00	4,899
37,559 96	2 1/4	42,036 23	2,000,000 00	149,000 00	100 00	1,490
\$4,308,950 55	2 589-1000	\$7,290,660 91	\$286,925,000 00	\$25,431,691 08	-----	402,065

TABLE No. 5.—CONTINUED.

Name.	No. of share- holders.	No. of share- holders who are borrow- ers.	Appraised valuation of property mortgaged to the association.	Amount of insurance covering property mort- gaged to the association.
Ottawa Co. Building & Loan Association	500	200	\$200,000 00	\$100,000 00
*Industrial Building & Loan Association	93	46	35,000 00	20,000 00
The Savings, Building & Loan Association of Bay Co.	744	264	306,000 00	250,000 00
Perrinton Building & Loan Association				
The Northville Loan & Building Association	62	17	19,550 00	11,750 00
Port Huron Loan & Building Association	480	200		
St. Joseph Valley Building & Loan Association	139	75	130,500 00	98,300 00
American Building & Loan Association	180	69		
Huron Valley Building & Savings Association	262	75	105,000 00	55,000 00
Petooskey Permanent Savings, Loan & Building Ass'n.	65	17	13,925 00	8,100 00
Ann Arbor Savings Association	161	81	65,000 00	45,000 00
Jackson Building Loan Association	148	30	60,000 00	30,000 00
Capitol Investment, Building & Loan Ass'n. { Class A	3,960	670	812,000 00	420,478 50
Northern Michigan Building & Loan Association	3,960	670	812,000 00	420,478 50
	1,325	280	300,000 00	250,000 00
The Soo Mutual Building & Loan Association	365	143	228,100 00	99,350 00
†Niles Building & Loan Association	150	35	33,500 00	35,000 00
The Equitable Savings & Loan Association	150	98	80,000 00	65,000 00
People's Building & Loan Association of Saginaw	1,461	621		
‡Kalamazoo Co. Building & Loan Ass'n { Class A				
Benton Harbor Building & Loan Association	101	24	12,500 00	5,300 00
Buchanan Building, Savings & Loan Association	96	46		30,025 00
Marquette Building & Loan Association	405	117	250,000 00	
Detroit Loan & Building Association	200	45	75,000 00	50,000 00
Iron Mountain Building & Loan Association	117	28	35,000 00	22,300 00
The National Loan & Investment Co.	10,655	1,961	2,928,605 00	1,361,550 00
Mutual Home & Savings Association	600	180	294,600 00	142,000 00
Three Rivers Building & Loan Association	369	166	125,000 00	125,000 00
The Grand Rapids Mutual Building & Loan Association	275	101	154,350 00	78,525 00
Valley City Building & Loan Ass'n of Grand Rapids				
The Alpena Loan & Building Association	450	220	170,000 00	150,000 00
§The Standard Savings & Loan Association	487	37	40,100 00	21,850 00
The Adrian Building & Loan Association	500	185	180,000 00	115,000 00
Michigan Savings & Loan Association	2,500	466	1,250,000 00	535,500 00
Industrial Building & Loan Association	2,500	466	1,250,000 00	535,500 00
Manistee Building & Loan Association	152	17	45,000 00	17,200 00
West Side Building & Loan Association	253	70	110,000 00	60,550 00
Shiawassee Savings Society				
Battle Creek Loan & Building Association	380	95		
West Bay City Building, Loan & Savings Association	181	66	75,250 00	46,850 00
Mutual Building & Loan Association	449	150		
||Citizens Building & Loan Association	297	82		
Home Savings & Loan Association	180	67	45,000 00	31,600 00
Homestead Loan & Building Association	875	141		
Saginaw Building & Loan Association	479	217	195,000 00	175,000 00
The Peninsular Building & Loan Association	200	34	100,000 00	80,000 00
Totals	36,917	7,710	\$10,513,180 00	\$4,917,228 50

* For 5 fiscal years.

§ For 7 months.

† For 24 months.

|| For 3 months.

‡ For 6 months.

TABLE No. 5.—CONTINUED.

Mortgages in force.	Average amount of mortgages.	How often are periodical payments made.	Amount of periodical payments.	Cost of loan to borrower.	What is your premium method.	Highest premium bid received on a completed loan during year.
225	\$500 00	semi-monthly	25c	50c	gross	80%
42	500 00	monthly	50c	\$1.00	"	24½%
270	1,000 00	weekly	12½c	26c	"	25%
28		monthly	25c		installment	52%
20	807 06	weekly	12½c	26c	gross	20%
200	550 00	monthly	50c	\$1.56	installment	40c per share
75		"	50c	1.00	gross	2%
58	1,151 00	weekly	25c	40c a	installment	10c per share per wk.
75	984 00	"	15c	35c	"	5c
17	407 35	"	15c	34c	"	10c weekly
161	\$15 00	"	15c	20c	"	5c per week
30	1,000 00	"	20c		"	7c
670	591 00	monthly	75c	\$2.00	"	6%
670	591 00	"	50c	\$1.50	"	
265	800 00	"	50c	\$1.55	"	55c per share
143	914 86	weekly	6¼c	19c	"	6c per share per wk.
84	620 00	monthly	50c	\$1.00	gross	19½%
98	438 00	"	50c	\$1.10	"	25%
66	600 00	weekly	12½c	20¼c	installment	7c per share per wk.
11	472 72	monthly	{ Class A \$0 40 " B 70 " C 1 10	{ Class A \$1.80 " B 1.65 " C 2.10	"	
28	1,000 00	weekly	20c	31¼c	gross	16%
46	590 00	monthly	50c		"	30%
173	802 00	"	50c	\$1.45	installment	30c per share per mo.
45	1,200 00	"	25c wk., \$2 mo.	10c	"	10c " " "
38	471 00	"	50c	\$1.05	"	50c
1,361	684 68	"	75c	\$1.90	"	60c per share per mo.
212	730 00	weekly	25c	55c	"	4c
166	375 00	"	25c			5%
102	980 88	"	15c	34c	installment	5c per share per wk.
		"	20c	35c	gross	10%
280	500 00	monthly	50c	\$1.17	"	30%
28	430 92	"	75c	\$1.35	installment	60c
294	512 00	weekly	20c	34c	gross	6%
466	1,000 00	none	none	\$2.10	installment	50c per share per mo.
466	1,000 00	"	"	\$1.50	"	50c " " "
17	1,444 12	monthly	25c	67c	"	17c per share per mo.
61	1,150 09	"	50c	\$1.16		.20%
97	860 00	semi-monthly			gross	7%
189	541 00	"	\$1.00	\$1.21	installment	25%
172	717 00	weekly	25c	40c	gross	25%
74	536 15	weekly or mo.	15c wk. or 65c mo.	57c wk.	installment	7c per wk.
		weekly	12½c	26c	gross	
	700 00	"	12½c	26c	"	25%
53	604 00	"	20c	40c	installment	5c per week on \$100
141	600 00	"	25c	50c		
217	680 00	"	12½c	26c	gross	33%
85	1,000 00	"	20c	40c	installment	18 1-5%
8,338	\$80,705 90					

* Plus premium bid.

TABLE No. 5.—CONCLUDED.

Name.	Lowest premium bid received on a completed loan during year.	Average of premium bids made during year.
Ottawa Co. Building & Loan Association.....	18%	23%
*Industrial Building & Loan Association.....	1%	
The Savings, Building & Loan Association of Bay Co.	25%	25%
Perrinton Building & Loan Association.....	50%	
The Northville Loan & Building Association.....	18½%	19 6-10%
Port Huron Loan & Building Association.....	40c per share	40c
St. Joseph Valley Building & Loan Association.....	¼%	¼%
American Building & Loan Association.....	1c per share per week	3c per share per week
Huron Valley Building & Savings Association.....	5c " " "	5c " " "
Petoskey Permanent Savings, Loan & Building Association.....	10c per week	10c per week
Ann Arbor Savings Association.....	5c " "	5c " "
Jackson Building & Loan Association.....	1c	2½c
Capitol Investment Building & Loan Association { Class A	3%	3 8-10% per year
Northern Michigan Building & Loan Association.....	39c per share	40c per share
The Soo Mutual Building & Loan Association.....	6c per share per week	6c per share per week
†Niles Building & Loan Association.....	7%	11%
The Equitable Savings & Loan Association.....	25%	
People's Building & Loan Association of Saginaw.....	7c per share per week	7c per share per week
‡Kalamazoo Co. Building & Loan Association { Class A		
Benton Harbor Building & Loan Association.....	11%	12%
Buchanan Building, Loan & Savings Association.....	3%	
Marquette Building & Loan Association.....	39c	39c
Detroit Loan & Building Association.....	nothing	97-10c pr. share pr. mo.
Iron Mountain Building & Loan Association.....	40c	47c
The National Loan & Investment Co.....	60c per share per mo.	60c per share per mo.
Mutual Home & Savings Association.....	4c	4c
Three Rivers Building & Loan Association.....	3%	4%
The Grand Rapids Mutual Building & Loan Association.....	5c per share per week	5c per share per week
Valley City Building & Loan Association of Grand Rapids.....	9%	10%
The Alpena Loan & Building Association.....	25%	30%
§The Standard Savings & Loan Association.....	60c	60c
The Adrian Building & Loan Association.....	¼%	3 4-5%
Michigan Savings & Loan Association { Class A	50c per share per mo.	50c per share per mo.
Industrial Building & Loan Association.....	40c " " " "	45c " " " "
Manistee Building & Loan Association.....	17c " " " "	17c " " " "
West Side Building & Loan Association.....	20%	20%
Shiawassee Savings Society.....	7%	7%
Battle Creek Loan & Building Association.....	15%	20¼%
West Bay City Building, Loan & Savings Association.....	5%	22%
Mutual Building & Loan Association.....	7c per week	7c per week
||Citizens Building & Loan Association.....	25%	25%
Home Savings & Loan Association.....	5c per week on \$100	5c per week on \$100
Homestead Loan & Building Association.....		
Saginaw Building & Loan Association.....	25%	25¼%
The Peninsular Building & Loan Association.....	18 1-5%	18 1-5%

* For 5 fiscal years.

§ For 7 months.

† For 24 months.

For 3 months.

‡ For 6 months.

TABLE No. 5.—CONCLUDED.

What fine is imposed on delinquent members.	Amount of expense or other payments, if any, which cannot be withdrawn.
2% per month 10c per share per month 5c per share per week 2% per month 1c per share	Membership fee 25c per share, pass book 25c, S. A. dues 10c per 5c per share each 3 months. [share per year.
2% 10c per share 5c per share per week 2% per month 2% " "	Fines, membership and pass book fees. None. Withdraws periodical payments in full. Initiation fee 5c per share. 50c per share association fee. Membership fee of 50c a share.
2% " " 5c per share 2% per month on amount due 2% " " 2% per month	Association fee of 50c a share. The membership fee. " " " 50c per share.
1c pr. share clear stock 3c pr. share* 10c before and 20c after borrowing 5c per month per share 5c per share	" " " 25c " " An assessment of 20c a share per year. Initiation fee. Membership fee 25c a share.
2% per month 5c per share per week 10c per share per week	10c per share per month and membership fees. Membership fee. Quarterly dues of 5c per share and fines.
2% each month 1% per month 2% " " 2% " " none	Membership fee of 25c per share. None. Secretary salary and stationery, \$80 per month. None.
5c per share per week 5c " " " 2% per month 2% " " 2% " "	Membership fee 25c per share, pass book's 25c each. " " 25c " " " " \$1.00 " " and 10c per share per month.
25c per share on dues and interest 2c per share and 2% on loans per mo. 2c " " " none 2% per month	" " 25c and fines. 10c per share, installment and entrance fee. 10c " None. Fines 2% membership fees 25c per share, pass book 25c.
5c per share 2% " " 5c " "	Membership fees. One dollar fee. None. Membership fee 50c per share. " " fines and pass books.
2% per month 5c before and 10c after borrowing	" " 25c per share. Association fee of 75c per share. Salary \$10 per week. Membership fee 25c per share.
5c per share per week 2% per month 5c per share per week 2c on free shares, 4c borrowed	

* on borrowers.

PART VII.



LAWS AFFECTING THE LABORING POPULATION OF MICHIGAN.

Many laws are on the statute books of Michigan supposed to be in the interest of Michigan laboring population. Perhaps all are not beneficial.

The following laws were passed by the legislature of 1893, and are given in this report as information for all concerned.

[Act No. 43, Public Acts of 1893.]

AN ACT to amend section one of act number one hundred forty-three of the session laws of eighteen hundred sixty-one, entitled "An act to exempt sewing machines from levy and sale on execution," approved March thirteenth, eighteen hundred sixty-one, being section seven thousand seven hundred seventeen of Howell's Annotated Statutes.

SECTION 1. *The People of the State of Michigan enact*, That section one of act number one hundred forty-three of the session laws of eighteen hundred sixty-one, entitled "An act to exempt sewing machines from levy and sale on execution," approved March thirteenth, eighteen hundred sixty-one, being section seven thousand seven hundred seventeen of Howell's Annotated Statutes, be and the same is hereby amended so as to read as follows:

SECTION 1. All sewing machines owned by individuals and kept for the actual use of themselves or their families, shall be exempt from levy and sale on execution, not exceeding one such machine for each family; and any chattle mortgage, bill of sale or other lien created on any such sewing machine shall be void, unless such mortgage, bill of sale or other lien be signed by the wife, if he have any, of the party making such mortgage, bill of sale or lien.

Approved April 25, 1893.

[Act No. 91, Public acts of 1893.]

AN ACT providing that all persons employing female help in stores shall provide seats for the same when not actively employed.

SECTION 1. *The People of the State of Michigan enact*, That all persons who employ females, in stores, shops, offices or manufactories, as clerks, assistants, operatives or helpers in any business, trade or occupation carried on or operated by them, shall be required to procure and provide proper and suitable seats, for all such females and shall permit the use of such seats, rests or stools as may be necessary, and shall not make any rules, regulations or orders preventing the use of such stools or seats, when such female employes are not actively employed in their work in such business or employment.

Sec. 2. If any employer of female help shall neglect or refuse to provide seats as provided in this act or shall make any rules, orders or regulations in their shops, stores or other places of business requiring females to remain standing when not necessarily employed in service or labor therein, they shall be deemed guilty of a misdemeanor, and upon conviction thereof in any court of competent jurisdiction shall be liable to a fine therefor, in a sum not to exceed twenty-five dollars, with costs, in the discretion of the court.

Approved May 20, 1893.

[Act No. 98, Public Acts 1893.]

AN ACT to amend section four of an act entitled "An act supplementary to an act entitled 'An act to establish the Detroit House of Correction, and to authorize the confinement of convicted persons therein,'" approved March twenty-seven, eighteen hundred and sixty-seven, being compiler's section nine thousand eight hundred and sixty-seven, of Howell's Annotated Statutes, and to add two new sections thereto, to stand as sections seven and eight of said act.

SECTION 1. *The People of the State of Michigan enact*, That section four of an act entitled "An act supplementary to an act entitled 'An act to establish the Detroit House of Correction and to authorize the confinement of convicted persons therein,'" and being compiler's section nine thousand eight hundred and sixty seven, of Howell's Annotated Statutes, be amended so as to read as follows:

Sec. 4. Whenever any court of the United States (sitting in this State) or any officer thereof, shall order or sentence any person upon conviction to be confined in the Detroit House of Correction for any period of time, or for want of bail, or for any other cause, it shall be the duty of the superintendent to receive such person and him or her safely keep until the terms of such order or sentence are fully complied with, and it shall be the duty of the superintendent safely and securely to keep all such persons as have heretofore been received by him by virtue of any process, order or sentence of any court of the United States, or any officer thereof, in compliance with such process, order or sentence.

Sec. 2. That said act be amended by adding thereto another section, to stand as section seven, in the place of section seven of said act, which was repealed by act sixty-seven, approved May 10, eighteen hundred and seventy-nine, and to read as follows:

Sec. 7. No person shall be confined in the said Detroit House of Correction, sentenced from any other state or territory, or by any United States court sitting in any other state or territory than the State of Michigan: *Provided, however*, That this act shall not in any way affect the confinement of any person heretofore sentenced and undergoing imprisonment in said Detroit House of Correction.

Sec. 3. That a new section be added to said act to stand as section eight, to read as follows:

Sec. 8. It shall not be lawful for the authorities of the said House of Correction to employ any free labor in or about such institution, except such as may be necessary for the control and management of such House of Correction and the care and detention of the persons confined therein.

Approved May 20, 1893.

[Act No. 111, Public Acts 1893.]

AN ACT to amend sections one and two of an act entitled "An act to provide blowers in establishments where emery wheels or emery belts are used," being act number one hundred and thirty-six of the session laws of eighteen hundred and eighty-seven; the same being compiler's sections one thousand six hundred and ninety 1st, one thousand six hundred and ninety 2^d of volume three of Howell's Annotated Statutes.

SECTION 1. *The People of the State of Michigan enact*, That sections one and two of an act entitled "An act to provide blowers in establishments where emery wheels or emery belts are used," being act number one hundred and thirty-six of the session laws of eighteen hundred and eighty-seven; the same being compiler's sections one thousand

six hundred and ninety 2¹, one thousand six hundred and ninety 2², of volume three of Howell's Annotated Statutes, be and the same are hereby amended so as to read as follows:

SECTION 1. That all persons, companies, or corporations, operating any factory or workshop, where emery wheels or emery belts of any description are used, either solid emery, leather, leather covered, felt, canvas, linen, paper, cotton, or wheels or belts rolled or coated with emery, or corundum, or cotton wheels used as buffs, shall provide the same with blowers, or similar apparatus, which shall be placed over, beside or under such wheels or belts in such a manner as to protect the person or persons using the same from the particles of dust produced and caused thereby, and to carry away the dust arising from, or thrown off by such wheels or belts while in operation, directly to the outside of the building or to some receptacle placed so as to receive and confine such dust: *Provided*, That grinding machines upon which water is used at the point of the grinding contact shall be exempt from the conditions of this act.

SEC. 2 Any such person or persons and the managers or directors of any such corporation who shall have [the] charge or management of such factory or workshop, who shall fail to comply with the provisions of this act, shall be deemed guilty of a misdemeanor, and upon a conviction thereof before any court of competent jurisdiction shall be punished by a fine not less than twenty-five dollars and not exceeding one hundred dollars, or imprisonment in the county jail not less than thirty days or exceeding ninety days, or both such fine and imprisonment in the discretion of the court.

Approved May 25, 1893.

[Act No. 126, Public Acts of 1893.]

AN ACT to regulate the employment of women and children in manufacturing establishments of this State, to provide for the inspection and regulation of such manufacturing establishments, and to provide for the enforcement of such regulation and inspection.

SECTION 1. *The People of the State of Michigan enact*, That no male under the age of eighteen years, and no female under the age of twenty-one years, shall be employed at labor in any manufacturing establishment in this State for any longer period than sixty hours in any one week unless for the purpose of making necessary repairs to machinery in order to avoid the stoppage of the ordinary running of the establishment: *Provided*, That not more [than] ten hours shall be exacted from or permitted to be performed by such male minors or females under twenty-one years on any day unless for the purpose of making a shorter work day on the last day of the week.

SEC. 2. No child under fourteen years of age shall be employed in any manufacturing establishment within this State. It shall be the duty of every person employing children to keep a register, in which shall be recorded the name, birthplace, age and place of residence of every person employed by him under the age of sixteen years; and it shall be unlawful for any manufacturing establishment to hire or employ any child under the age of sixteen years without there is first provided and placed on file a statement in writing made by the parent or guardian, stating the age, date and place of birth of said child; if said child have no parent or guardian, then such statement shall be made by the child, which statement shall be kept on file by the employer, and which said register and statement shall be produced for inspection on demand made by the commissioner of labor, inspector or any deputy appointed under this act.

SEC. 3. Every person, firm or corporation employing women under twenty-one years or minors under eighteen years of age, in any manufacturing establishment, shall post and keep posted in a conspicuous place in every room where such help is employed, a printed notice stating the number of hours per day for each day of the week required of such persons, and in every room where children under sixteen years of age are employed, a list of their names and their age.

SEC. 4. The factory inspector shall have power to demand a certificate of physical fitness from the county physician who shall make such examination free of charge in the case of persons who may seem physically unable to perform the labor at which they may be employed, and shall have power to prohibit the employment of any person that can not obtain such a certificate.

SEC. 5. The words "manufacturing establishment," wherever used in this act, shall be construed to mean any place where goods, wares or products are manufactured, repaired, cleaned or sorted, in whole or in part; but no other person or corporation

employing less than five persons or children, excepting in any of the cities of this State, shall be deemed a manufacturing establishment within the meaning of this act.

SEC. 6. For the purpose of carrying out the provisions of this act, the Commissioner of Labor is hereby authorized and required to cause, at least, an annual inspection of the manufacturing establishments or factories in this State. Such inspection may be by the Commissioner of Labor, the deputy commissioner of labor, or such other persons as may be appointed by the Commissioner of Labor for the purpose of making such inspection. Such persons shall be under the control and direction of the Commissioner of Labor and are especially charged with the duties imposed, and shall receive such compensation as shall be fixed by the Commissioner of Labor, not to exceed three dollars per day, together with all necessary expenses. All compensation for services and expenses provided for in this act shall be audited and paid in the same manner as the salaries and expenses of other State officers: *Provided*, That not more than four thousand dollars shall be expended in such inspection in any one year: *And provided further*, That the Commissioner of Labor shall present to the Governor, on or before the first day of February, eighteen hundred ninety-four, and annually thereafter, a report of such inspection, with such recommendations as may seem necessary: *And provided further*, That in addition to the above allowance for expenses, there may be printed not to exceed two thousand copies of such reports for the use of the Labor Bureau, for general distribution. And all printing, binding, blanks, stationery or map work, shall be done under any contract which the State now has or shall have for similar work with any party or parties, and the expense thereof shall be audited and paid for in the same manner as other State printing.

SEC. 7. The said commissioner or factory inspector shall be empowered to visit and inspect at all reasonable hours, and as often as practicable or required the factories, work shops and other manufacturing establishments in the State, where the manufacture of goods is carried on, and such inspector shall report to the Commissioner of Labor of this State at such time and manner as he may require. It shall also be the special duty of said inspector to enforce all the provisions of this act, and to prosecute for violations of the same, before any magistrate or in any court of competent jurisdiction in this State.

SEC. 8. It shall be the duty of the owner, agent or lessee of any manufacturing establishment where hoisting shafts or well holes are used to cause the same to be properly and substantially inclosed or secured if in the opinion of the inspector it is necessary to protect the life or limbs of those employed in such establishments. It shall also be the duty of the owners, agent or lessee to provide or cause to be provided such proper trap or automatic doors so fastened in or at all elevator ways as to form a substantial surface when closed and so constructed as to open and close by action of the elevator in its passage, either ascending or descending.

SEC. 9. Proper and substantial hand rails shall be provided on all stairways in manufacturing establishments, and where in the opinion of the inspector it is necessary, the steps of said stairs in all such establishments shall be substantially covered with rubber securely fastened thereon for the better safety of persons employed in said establishments. The stairs shall be properly screened at the sides and bottom and all doors leading in or to such factory shall be so constructed as to open outwardly, and shall be neither locked, bolted nor fastened during working hours.

SEC. 10. Fire escapes shall be provided on the outside of all manufacturing establishments three or more stories in height, connecting with each floor above the first, well fastened and secured and of sufficient strength. If in the opinion of the inspector it is necessary to insure the safety of the persons employed in such establishments, said fire escapes, or as many thereof as may be deemed sufficient by the inspector, shall consist of landings or balconies not less than six feet in length and two feet in width, guarded by iron railings not less than three feet in height, and embracing at least two windows at each story, and connecting with the interior by easily accessible and unobstructed openings; and the balconies or landings shall be connected by iron stairs, not less than twenty-four inches wide, the steps to be not less than six inches tread, placed at not more than an angle of forty-five degrees slant, and protected by a well secured hand rail on both sides, with a twelve-inch wide drop ladder from the lower platform reaching to the ground. The windows or doors to all fire escapes shall open outwardly. All fire escapes shall be located as far as possible, consistent with accessibility, from the stairways and elevator hatchways or openings, and the ladder thereof shall extend to the roof. The factory inspector shall, in writing, notify the owner, agent or lessee of such manufacturing establishment of the required location and specifications of such fire escapes as may be ordered. Stationary stairs or ladders shall be provided on the inside from the upper story to the roof, as a means of escape in case of fire.

SEC. 11. It shall also be the duty of the owner of such factory, or his agent, superin-

tendent or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied, in the discretion of the inspector, where machinery is in use, automatic shifters or other mechanical contrivances for the purpose of throwing belts on or off pulleys. All gearing and belting shall be provided with proper safeguard.

SEC. 12. It shall also be the duty of the owner of any manufacturing establishment, or his agent, superintendent or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied, in the discretion of the inspector, where machinery is in use, belt shifters or other safe mechanical contrivances, for the purpose of throwing belts on or off pulleys; and wherever possible machinery shall be provided with loose pulleys; all vats, pans, saws, planers, cogs, gearing and machinery of every description shall be properly guarded. Exhaust fans shall be provided for the purpose of carrying off dust from emery wheels and grindstones, and dust creating machinery, whenever deemed necessary by the factory inspector. No female under the age of twenty-one years, and no male under eighteen years of age shall be allowed to clean machinery while in motion: *Provided*, That the exhaust fans aforesaid need not be provided in any manufacturing establishment before the end of six months from and after this act shall take effect.

SEC. 13. A suitable and proper wash room and closet shall be provided for females where employed, and the water closets used by females shall be separate and apart from those used by males, and shall also be properly screened. All water closets shall be thoroughly ventilated and kept in a clean condition: *Provided*, That in places where no water and sewerage facilities exist, the maintenance of a suitable outhouse shall be held to be a compliance with the provisions of this section.

SEC. 14. Not less than forty-five minutes shall be allowed for the noonday meal in any manufacturing establishment in this State. The factory inspector shall have power to issue written permits in special cases, allowing a shorter meal time at noon, and such permit must be conspicuously posted in the main entrance of the establishment, and such permit may be revoked at any time the inspector deems necessary, and shall only be given where good cause can be shown.

SEC. 15. The prosecuting attorney of any county of this State is hereby authorized and required upon the request and complaint of the commissioner or factory inspector, or of any other person of full age, to commence and prosecute to termination before any court of competent jurisdiction, in the name of the people of the State, actions or proceedings against any person or persons reported to him to have violated the provisions of this act.

SEC. 16. The traveling expenses of said inspector, shall be approved by the Commissioner of Labor and audited by the Board of State Auditors, before payment, to be paid monthly by the Treasurer of the State out of any moneys not otherwise appropriated.

SEC. 17. Said factory inspector shall make a report to the Commissioner of Labor of each factory visited and inspected by him, which reports shall be kept on file in the office of the commissioner. The factory inspector shall have the same power to administer oaths as is now given to notaries public, in cases where persons desire to verify documents connected with the proper enforcement of this act.

SEC. 18. Any person who violates or omits to comply with any of the foregoing provisions of this act, or who suffers or permits any child to be employed in violation of its provisions, shall be deemed guilty of a misdemeanor, and, on conviction, shall be punished by a fine of not less than five nor more than one hundred dollars, or by imprisonment for not less than ten nor more than ninety days, or by both such fine and imprisonment in the discretion of the court.

SEC. 19. All acts or parts of acts inconsistent with the provisions of this act are hereby repealed.

Approved May 27, 1893.

[Act No. 148, Public Acts of 1893.]

AN ACT to prohibit the opening of barber shops on the first day of the week, commonly called Sunday, for the purpose of carrying on or engaging in the art or calling of hair cutting, shaving, hair dressing and shampooing, or in any work pertaining to the trade or business of a barber, on the said first day of the week commonly called Sunday.

SECTION 1. *The People of the State of Michigan enact*, That it shall be unlawful for any person or persons to carry on or engage in the art or calling of hair cutting

shaving, hair dressing and shampooing, or in any work pertaining to the trade or business of a barber, on the first day of the week, commonly called Sunday, except such person or persons shall be employed to exercise such art or calling in relation to a deceased person on said day.

Sec. 2. That it shall be unlawful for any such person or persons to keep open their shops or places of business aforesaid, on said first day of the week, commonly called Sunday, for any of the purposes mentioned in section one of this act: *Provided, however,* That nothing in this act shall apply to persons who conscientiously believe the seventh day of the week should be observed as the Sabbath and who actually refrain from secular business on that day.

Sec. 3. Every person offending against the provisions of this act, shall, upon conviction thereof, be punished by a fine not less than ten dollars nor more than twenty-five dollars for each offense or by imprisonment in the county jail for not more than thirty days, or by both such fine and imprisonment in the discretion of the court.

Approved May 29, 1893.

[[Act No. 177,] Public Acts of 1893.]

AN ACT to regulate the length of time which shall be a day's labor by certain employes on railroads in this State, and to provide for *pro rata* compensation for extra services in addition to their daily compensation.

SECTION 1. *The People of the State of Michigan enact,* That no person, corporation, joint stock company or association of individuals owning or operating a line of railroad, in whole or in part, within this State, shall permit or require any conductor, engineer, fireman, brakeman, or any trainman who has worked in any capacity for twenty-four hours to again go on duty or perform any kind of work until he has had at least eight hours rest.

Sec. 2. Ten hours' labor performed within twelve consecutive hours shall constitute a day's labor in the operation of all steam, surface and elevated railroads now owned and operated or hereafter owned and operated within this State: *Provided,* That this act shall not apply to regular schedule trains when completed within a less number of hours: *Provided further,* That the provisions of this act shall not apply to extra hours of labor performed by any conductor, engineer, fireman, brakeman or trainman in cases of unavoidable accident or delay caused by such accident.

Sec. 3. Every hour in excess of ten hours labor performed in any one day by any conductor, engineer, fireman, brakeman or any trainman of any railroad company, corporation, joint stock company or association of individuals or persons owning or operating a railroad within this State, who works under the direction of a superior or at the request of such person, company, corporation, joint stock company or association of individuals and who shall be required or permitted to work shall be deemed one-tenth of a day's labor and such conductor, engineer, fireman, brakeman or trainman shall receive *pro rata* compensation for said extra service in addition to his daily compensation.

Sec. 4. Any person, agent or employe of such person, railroad company, corporation, joint stock company or association of individuals violating the provisions of this act, shall be guilty of a misdemeanor, and on conviction shall be punishable by a fine of not less than fifty and not to exceed one hundred dollars in the discretion of the court.

Approved May 31, 1893.

[Act No. 192, Public Acts of 1893.]

AN ACT to protect toilers against unjust demands of employers of labor; to give redress to employes discharged in certain cases, and to punish employers, their agents, clerks and servants for any violation of this act. []

SECTION 1. *The People of the State of Michigan enact,* That it shall be unlawful for any employer of labor, by himself, his agent, clerk or servant to require any employe, or person seeking employment, as a condition of such employment, or continuance therein, to make and enter into any contract, oral or written, whereby such employe or

applicant for employment shall agree to contribute directly or indirectly to any fund for charitable, social or beneficial purpose or purposes.

SEC. 2. It shall be unlawful for any such employer, by himself, his agent, clerk or servant, to deduct from the wages of any employé, directly or indirectly, any part thereof without the full and free consent of such employé, obtained without intimidation or fear of discharge for refusal to permit such deduction.

SEC. 3. If the employer be a firm or corporation, each and every member of said firm, and each and every managing officer of the corporation, shall be liable to punishment under this act; and any clerk, servant or agent of any such employer who shall do or attempt to do any act forbidden by this act, shall be equally liable with his employer or employers as principal for any such violation of this act.

SEC. 4. Any person who shall violate any provision of the first three sections of this act shall be deemed guilty of a misdemeanor, and on conviction thereof shall be punished by a fine of not less than twenty-five dollars and not more than one hundred dollars, or by imprisonment in the county jail for a period of not less than ten nor more than ninety days for each offense.

Approved June 1, 1893.

[Act No. 190, Public Acts of 1893.]

AN ACT to amend sections one, six and nine, of act number one hundred and seventy-nine, of the public acts of eighteen hundred and ninety-one, entitled "An act to establish, protect and enforce by lien, the rights of mechanics and other persons furnishing labor or materials for building, altering, improving, repairing, erecting or ornamenting of buildings, machinery, wharves, and all other structures," and to repeal all acts contravening the provisions of this act.

SECTION 1. *The People of the State of Michigan enact*, That sections one, six and nine of act number one hundred and seventy-nine, of the public acts of eighteen hundred and ninety-one, entitled "An act to establish, protect, and enforce by lien, the rights of mechanics and other persons furnishing labor or materials for the building, altering, improving, repairing, erecting or ornamenting of buildings, machinery, wharves and other structures," and to repeal all acts contravening the provisions of this act, be and the same are amended to read as follows:

SECTION 1. *The People of the State of Michigan enact*, That every person who shall, in pursuance of any contract, express or implied, written or unwritten, existing between himself as contractor, and the owner, part owner, or lessee of any interest in real estate, build, alter, improve, repair, erect, ornament or put in, or who shall furnish any labor or materials in or for building, altering, improving, repairing, erecting, ornamenting, or putting in any house, building, machinery, wharf or structure, and every person who shall, as subcontractor, laborer or material man, perform any labor or furnish materials to such original or principal contractor, or any subcontractor, in carrying forward or completing any such contract, shall have a lien therefor upon such house, building, machinery, wharf, and other structure and its appurtenances, and also upon the entire interest of such owner, part owner or lessee, in an to the lot or piece of land not exceeding one quarter section of land, or if in any incorporated city or village not exceeding the lot or lots upon which such improvement is made to the extent of the right, title and interest of such owner, part owner or lessee at the time work was commenced or materials were begun to be furnished by the contractor under the original contract or by the subcontractor who furnishes or is furnished with any labor or material in the performance or execution of such subcontract, and also to the extent of any subsequent acquired interest of any such owner, part owner or lessee: *Provided*, That any person, firm or corporation furnishing material or performing labor of any kind entering into the construction of such building or structure shall, within ten days after furnishing the first of such material, or performing the first of such labor to any contractor or subcontractor, serve on the owner part owner or lessee of the premises, or his agent, a notice, which notice shall be such as will inform the owner, part owner or lessee of the premises or his agent of the nature of the materials furnished or to be furnished, or labor performed or to be performed, and a description of the premises where furnished, if such owner, part owner or lessee reside in or has a known agent in the county in charge of such structure or improvements. Such notice may be in the following form:

To..... Take notice that the undersigned is furnishing.....
to certain labor (or materials) for building (or altering, improving,
repairing, erecting or ornamenting, as the case may be) a certain.....
situated on the following described property.....

Such notices, however, shall be sufficient if served at any time subsequent to said ten days, but before the original contractor shall make out and give to the owner, part owner or lessee or his agent a statement under oath of the number and names of every subcontractor or laborer in his employ, and of every person, firm or corporation furnishing materials, giving the amount, if anything, which is due or to become due on them, or any of them, for work done or materials furnished as required by section four of this act. The owner, part owner or lessee shall not be liable to the subcontractor, material men or laborers for any greater amount than he contracted to pay the original contractor and shall be entitled to recoup any damages which he may sustain by reason of any failure or omission in the performance of such contract; but the risk of all payments made to the original contractor after he shall have received the notice above mentioned or before the contractor shall have furnished him with a statement as hereinbefore provided, shall be upon the owner, part owner or lessee until the expiration of sixty days within which claims for lien may be filed as hereinafter provided, and no payment made to any contractor before the expiration of said sixty days shall defeat any lien of any subcontractor, material man or laborer unless such payment has been distributed among the subcontractors, material men or laborers, or if distributed in part only, then to the extent of such distributions.

SEC. 6. Every person filing such statement or account as provided in the preceding section, except those persons contracting or dealing directly with the owner, part owner or lessee of such premises shall, within ten days after the filing thereof, serve on the owner, part owner or lessee of such premises, if he can be found within the county, or in case of his absence from the county, on his agent having in charge of such premises within the county wherein the property is situated, a copy of such statement or claim; but if neither of such persons can be found within the county where such premises are situated, then such copy shall be served by posting in some conspicuous place on said premises within five days after the same might have been served personally, could the principal or agent, as aforesaid, have been found. Proof of such service and the date and manner thereof shall be made by the affidavit of such person serving or posting the same, which proof of such service shall be filed in the office of the register of deeds [for] of such county before any subsequent proceedings shall be taken for the enforcement of such lien.

SEC. 9. The several liens herein provided for shall continue for six months after such statement or account is filed in the office of the register of deeds, and no longer, unless proceedings are begun to enforce the same, as hereafter provided. And such liens shall take priority as follows:

First, As between persons claiming liens under the [statute] statute of several liens upon the same property attaching by reason of work, labor or materials, furnished in carrying forward or completing the same building, machinery, structure or improvement shall be deemed simultaneous mortgages;

Second, They shall take priority to all garnishments for the contract debt made prior or subsequent to the commencement of the furnishing of the materials or performance of the labor without regard to the date of filing the claim for lien;

Third, They shall be preferred to all other titles, liens or incumbrances which may attach to or upon such building, machinery, structure or improvement, or to or upon the land upon which they are situated, subsequent to the commencement of said building, erection, structure or improvement;

Fourth, The liens for such labor or materials furnished, including those for additions, repairs and betterments, shall attach to the building, machinery, erection, structure or improvement for which they are furnished or done, in preference to any prior title, claim, lien, incumbrance or mortgage to or upon the land upon which such building, machinery, erection, structure or improvement belongs or is put. If such materials were furnished or labor performed in the erection or construction of an original or independent building, erection or other improvement, commenced since the attaching or execution of such prior title, claim, lien, incumbrance or mortgage, the court may, in its discretion, order and direct such building, erection or improvement to be separately sold under its decree, and the purchaser may remove the same within such reasonable time as the court may fix; but if, in the discretion of the court, it should not be separately sold, the court shall take an account and ascertain the separate values of the land and the erection, building or other improvements, and distribute the proceeds of the sale so as to secure to the prior title, claim, mortgage or other lien, priority upon

the land, and to the mechanic's lien priority upon the building, erection or other improvement, if the material furnished or labor performed be for addition to, or betterments upon the building, erection or other improvements, the court shall take an account of the value before such materials were furnished, or labor performed, and the enhanced value caused by such additions, repairs or betterments, and upon the sale of the premises distribute the proceeds of sale so as to secure to the prior title, mortgage or lien, priority upon the land and improvements to the amount as they existed prior to the commencement of the improvements, and to the lien priority upon the enhanced value caused by such addition, repairs or betterments.

This act is ordered to take immediate effect.

Approved June 1, 1893.



FIRST ANNUAL REPORT
OF
INSPECTION OF FACTORIES
IN
MICHIGAN

MADE UNDER DIRECTION OF THE
BUREAU OF LABOR
AND
INDUSTRIAL STATISTICS



BY AUTHORITY

LANSING:
ROBERT SMITH & CO., STATE PRINTERS AND BINDERS
1894



STATE OF MICHIGAN,
BUREAU OF LABOR AND INDUSTRIAL STATISTICS, }
Lansing, Mich., February 1, 1894.

To the HON. JOHN T. RICH,
Governor of Michigan:

SIR—Act No. 126, Session Laws of 1893, directs the Commissioner of Labor to cause an annual inspection to be made of all manufacturing places in Michigan, and to make an annual report thereof to the Governor. In accordance with the provisions of that act, I have the honor to transmit herewith the First Annual Report of such inspection, made by direction of this Bureau.

Very Respectfully,

CHAS. H. MORSE,

Commissioner of Labor.



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INTRODUCTORY REMARKS.

The question of factory inspection has been agitated in Michigan for several years. A bill to provide for such inspection was introduced in the legislature of 1891, but failed to pass.

In 1893 another bill was introduced, and passed during the closing days of the session, which received the approval of Governor Rich, going into effect August 25, 1893.

The bill as introduced, contemplated a separate bureau. As it became a law, it provided that "Factory Inspection" should be a part of the Bureau of Labor and Industrial Statistics, and under the control of the Commissioner of Labor, who was directed to cause "at least an annual inspection of the manufacturing places in the State." Inspections may be made by the Commissioner or Deputy Commissioner of Labor, or such other persons as may be appointed by the Commissioner.

Inspectors were appointed at Detroit, Grand Rapids and Saginaw, with one in the Upper Peninsula and one at large in the Lower Peninsula. Besides these regular inspectors, three more were detailed for a few days of local work.

An effort was made to cover as much of the State as possible in 1893, for two reasons. First, it was desirable to, and in fact, was the only certain way to inform proprietors of factories and others interested that such a law had passed and taken effect. Second, it was also necessary to know as soon as possible, approximately, the number of places to be inspected. The State was not divided into districts, but inspectors were assigned work as near their homes as possible. All the older and more thickly settled counties were visited by the inspectors, and many of the newer and sparsely settled ones were also reached. The names of inspectors, number of places inspected, forms of blanks used, and other information, will be found in the pages preceding the tabulated report of inspections.

Following the tabulation are the changes ordered. Each factory is given a number and everything in connection with that factory is referred to by its factory number. Accidents in 1893 in factories inspected are given a place next. • Factory employes will be interested in the report of accidents. Information as to the number of fatal ones, and the care of the injured, will be found under its proper head. It will be seen that about twenty-five per cent of the disabled were left to care for themselves while unable to work. Each succeeding year shows more and better arrangements for the maintenance of those who are injured by accident, or laid off from work by sickness.

There are many thousands of the population of Michigan employed in manufacturing

industries. With the increased use of machinery has come more risks of injury to employes. Steam succeeded water power very largely, and now electricity is taking the place of steam. We wonder at the improvements in the past, and yet the future will be just as full of surprises. With this increased use of machinery has come the necessity for more safeguards for the lives and limbs of the operatives in manufacturing places. More than this, the sanitary condition of factories has demanded attention. Too much care cannot be exercised to make work-shops as free from dust, foul air and gasses as possible. At the best the air operatives are compelled to breathe is bad enough, and it is a worthy effort to add to their safety and comfort.

The hours of labor for operatives, especially for children and minors, together with sufficient time for the noonday meal, has also received commendable attention.

Factory inspection has come by degrees. In a large number of states laws were passed providing for safeguards on machinery, for better sanitary regulations, for fire escapes, for protection to elevators, to regulate the labor of children and minors, and many things not necessary to mention here. Municipalities, by authority conferred on them in their charters, have made many such regulations for factories within their limits. With no one personally charged with the enforcement of these laws, benefits derived from them were not great. Later in several states laws have been passed providing for a State Factory inspection. In some states it is a separate bureau, in others, like our own, it is made a part of the Bureau of Labor and Industrial statistics.

To be a success, factory inspection requires the services of men for inspectors, who, besides having a fair knowledge of machinery, understand human nature. Necessarily, an inspector interferes with a man's private business, and the natural instinct is to resent any such interference. Too often the inspector is abused for that of which he is entirely innocent. The best and most successful inspectors are those who can ignore such unkindness, and quietly point out the necessity of complying with the law, in a manner that appeals to judgment and reason, rather than to invite attention to the penalties the law provides for its violation.

In most states, appropriations for factory inspection are too small to properly do the work. The salary should be something more than a skilled laborer would be able to command. Probably better results would be obtained, were inspectors not allowed to inspect factories in localities where they live. Traveling expenses will necessarily be quite large. Office work is no inconsiderable part of the duty of an inspector. It is a necessity that the head of the Bureau of Inspection should know where an inspector is, and just what he is doing. In some cases appeals will be taken to the chief inspector, and then the necessity of a complete record can at once be seen. More than this, experience has shown that a close watch is necessary to secure compliance with orders, and an annual inspection is not always sufficient. "Whatever is worth doing at all, is worth doing well" is peculiarly applicable to this work. No reasonable expense should be spared to make the inspection effectual. Just what amount may be necessary in Michigan, can be better told after a full year's experience. When the next legislature meets, the Labor Bureau will be prepared to state intelligently the probable appropriation required, and also as to any needed amendments to the law. It will be well if those people interested in perfecting this law should be prepared to state to committees of the legislature any desired changes which occur to them. The laboring population will have no difficulty in securing legislation which will promote their welfare, if they make a reasonable and proper showing.

At the commencement of this year the state was divided into districts, and deputy inspectors were appointed as follows:

The first (1st) district embraces the counties of

Wayne,	Monroe,	Macomb.
Inspector		Wm. F. Tripp.

The second (2d) district to be the counties of

Allegan	Cass	Kalamazoo	St. Clair
Barry	Eaton	Lapeer	St. Joseph
Branch	Hillsdale	Livingston	Sanilac
Berrien	Ingham	Lenawee	Van Buren
Calhoun	Jackson	Oakland	Washtenaw
Inspector			Geo. E. Gunn.

The third (3d) district to be the counties of

Antrim	Kalkaska	Mason	Newaygo
Benzie	Kent	Mecosta	Oceana
Charlevoix	Lake	Missaukee	Osceola
Emmet	Leelanau	Montcalm	Ottawa
Grand Traverse	Manistee	Muskegon	Wexford
Ionia			
Inspector			Louis C. F. Hintz.

The fourth (4th) district to be the counties of

Alcona	Clare	Iosco	Otsego
Alpena	Clinton	Isabella	Presque Isle
Arenac	Genesee	Midland	Roscommon
Bay	Gladwin	Montmorency	Saginaw
Cheboygan	Gratiot	Ogemaw	Shiawassee
Crawford	Huron	Oscoda	Tuscola
Inspector			Ottmar O. Krapf.

The fifth (5th) district to be the counties of

Alger	Gogebic	Keweenaw	Ontonagon
Baraga	Houghton	Luce	Manitou
Chippewa	Iron.	Mackinaw	Marquette
Delta	Isle Royal	Mason	Schoolcraft
Dickinson			
Inspector			(Not named.)

It is due to Inspectors to state here that as a rule, they have displayed commendable ability and intelligence in the discharge of their duties. To Messrs. W. F. Tripp, L. C. F. Hintz, O. O. Krapf, and Geo. E. Gunn, the Commissioner is under particular obligations for the zeal and energy displayed in the work assigned to them. Their

retention as inspectors is evidence that their efforts to properly discharge their duties are appreciated.

To Mr. J. W. Selden, Deputy Commissioner, and Mr. L. S. Russell, chief clerk of the Labor Bureau, more than ordinary acknowledgment is due. The details of preparing blanks, books, etc., for the inspection, as well as the supervision of the work and preparing this report, have been very largely in their hands. In all duties assigned them they have been industrious, intelligent, and painstaking, and very much of the success which has attended this first year's work is due to them.

CORRECTIONS IN NAMES OF FIRMS.

It was not to be expected that in writing the names of thousands of firms, many of which are, to say the least, peculiarly spelled, that mistakes would not occur. Especially is this so when the names are given amid the noise and rattle of machinery, and at the same time hurriedly written by the inspectors, who are often confronted with unfamiliar pronunciations, hard to understand even with favorable surroundings.

The inspectors tried to avoid these mistakes, but we find, after it is too late to make the corrections in the tables, that errors did creep in. Without trying to hunt out those of a minor nature, we do correct some of the more important ones which are given below, designating them by the inspection number, which should read:

No. 1. Dolson & Sons.	No. 768. Pierson & Hough.
" 157. F. J. Sarmiento & Co.	" 775. Penn File Co.
" 202. Krentler Bros.	" 783. Clark & Reardon.
" 205. Thiry, Feldmann & Co.	" 823. Joseph Manthey.
" 284. Boydell Bros.	" 832. The Ireland & Mathews Mfg. Co.
" 317. Mouat Heater Co.	" 1198. S. P. Swartz.
" 331 and 332. G. W. Metler and Sons.	" 1222. W. C. Hopson & Co.
" 351. J. M. Shackelton.	" 1266. A. Leitelt, Iron Works.
" 364. G. A. Rhode.	" 1297. Waddell Manfg. Co.
" 366. F. Baumeister & Son.	" 1549. W. P. Nisbett.
" 432. Wrench & Howie.	" 2522. Geo. Malone & Co.
" 446. Traugott, Schmidt & Sons.	" 2567. Ballou Basket Works.
" 452. Theut & Lutz.	" 2594. Griffin & Campbell.
" 498. U. S. Baking Co., Depew Branch.	" 2668. Vanderlaan & Scott.
" 509. Geo. Moebs & Co.	" 2678. D. H. Ball.
" 523. Van Landegham Stave Co.	" 2771. Thos. Tindle & Co.
" 689. Friesema Bros. Printing.	" 2841. W. Merchant.
" 728. Chas. L. Roehm.	" 3108. A. J. Phillips & Co.



FACTORY INSPECTION.

[Act No. 126, Public Acts of 1893.]

AN ACT to regulate the employment of women and children in manufacturing establishments of this State, to provide for the inspection and regulation of such manufacturing establishments, and to provide for the enforcement of such regulation and inspection.

SECTION 1. *The People of the State of Michigan enact*, That no male under the age of eighteen years, and no female under the age of twenty-one years, shall be employed at labor in any manufacturing establishment in this State for any longer period than sixty hours in any one week unless for the purpose of making necessary repairs to machinery in order to avoid the stoppage of the ordinary running of the establishment: *Provided*, That not more [than] then ten hours shall be exacted from or permitted to be performed by such male minors or females under twenty-one years on any day unless for the purpose of making a shorter work day on the last day of the week.

SEC. 2. No child under fourteen years of age shall be employed in any manufacturing establishment within this State. It shall be the duty of every person employing children to keep a register, in which shall be recorded the name, birthplace, age and place of residence of every person employed by him under the age of sixteen years; and it shall be unlawful for any manufacturing establishment to hire or employ any child under the age of sixteen years without there is first provided and placed on file a statement in writing made by the parent or guardian, stating the age, date and place of birth of said child; if said child have no parent or guardian, then such statement shall be made by the child, which statement shall be kept on file by the employer, and which said register and statement shall be produced for inspection on demand made by the commissioner of labor, inspector or any deputy appointed under this act.

SEC. 3. Every person, firm or corporation employing women under twenty-one years or minors under eighteen years of age, in any manufacturing establishment, shall post and keep posted in a conspicuous place in every room where such help is employed, a printed notice stating the number of hours per day for each day of the week required of such persons, and in every room where children under sixteen years of age are employed, a list of their names and their age.

SEC. 4. The factory inspector shall have power to demand a certificate of physical fitness from the county physician who shall make such examination free of charge in the case of persons who may seem physically unable to perform the labor at which they may be employed, and shall have power to prohibit the employment of any person that can not obtain such a certificate.

SEC. 5. The words "manufacturing establishment," wherever used in this act, shall be construed to mean any place where goods, wares or products are manufactured, repaired, cleaned or sorted, in whole or in part; but no other person or corporation employing less than five persons or children, excepting in any of the cities of this State, shall be deemed a manufacturing establishment within the meaning of this act.

SEC. 6. For the purpose of carrying out the provisions of this act, the Commissioner of Labor is hereby authorized and required to cause, at least, an annual inspection of the manufacturing establishments or factories in this State. Such inspection may be by the Commissioner of Labor, the deputy commissioner of labor, or such other persons as may be appointed by the Commissioner of Labor for the purpose of making such inspection. Such persons shall be under the control and direction of the Com-

missioner of Labor and are especially charged with the duties imposed, and shall receive such compensation as shall be fixed by the Commissioner of Labor, not to exceed three dollars per day, together with all necessary expenses. All compensation for services and expenses provided for in this act shall be audited and paid in the same manner as the salaries and expenses of other State officers: *Provided*, That not more than four thousand dollars shall be expended in such inspection in any one year: *And provided further*, That the Commissioner of Labor shall present to the Governor, on or before the first day of February, eighteen hundred ninety-four, and annually thereafter, a report of such inspection, with such recommendations as may seem necessary: *And provided further*, That in addition to the above allowance for expenses, there may be printed not to exceed two thousand copies of such reports for the use of the Labor Bureau, for general distribution. And all printing, binding, blanks, stationery or map work, shall be done under any contract which the State now has or shall have for similar work with any party or parties, and the expense thereof shall be audited and paid for in the same manner as other State printing.

SEC. 7. The said commissioner or factory inspector shall be empowered to visit and inspect at all reasonable hours, and as often as practicable or required the factories, work shops and other manufacturing establishments in the State, where the manufacture of goods is carried on, and such inspector shall report to the Commissioner of Labor of this State at such time and manner as he may require. It shall also be the special duty of said inspector to enforce all the provisions of this act, and to prosecute for violations of the same, before any magistrate or in any court of competent jurisdiction in this State.

SEC. 8. It shall be the duty of the owner, agent or lessee of any manufacturing establishment where hoisting shafts or well holes are used to cause the same to be properly and substantially inclosed or secured if in the opinion of the inspector it is necessary to protect the life or limbs of those employed in such establishments. It shall also be the duty of the owners, agent or lessee to provide or cause to be provided such proper trap or automatic doors so fastened in or at all elevator ways as to form a substantial surface when closed, and so constructed as to open and close by action of the elevator in its passage, either ascending or descending.

SEC. 9. Proper and substantial hand rails shall be provided on all stairways in manufacturing establishments, and where in the opinion of the inspector it is necessary, the steps of said stairs in all such establishments shall be substantially covered with rubber securely fastened thereon for the better safety of persons employed in said establishments. The stairs shall be properly screened at the sides and bottom and all doors leading in or to such factory shall be so constructed as to open outwardly, and shall be neither locked, bolted nor fastened during working hours.

SEC. 10. Fire escapes shall be provided on the outside of all manufacturing establishments three or more stories in height, connecting with each floor above the first, well fastened and secured and of sufficient strength. If in the opinion of the inspector it is necessary to insure the safety of the persons employed in such establishments, said fire escapes, or as many thereof as may be deemed sufficient by the inspector, shall consist of landings or balconies not less than six feet in length and two feet in width, guarded by iron railings not less than three feet in height, and embracing at least two windows at each story, and connecting with the interior by easily accessible and unobstructed openings; and the balconies or landings shall be connected by iron stairs, not less than twenty-four inches wide, the steps to be not less than six inches tread, placed at not more than an angle of forty-five degrees slant, and protected by a well secured hand rail on both sides, with a twelve-inch wide drop ladder from the lower platform reaching to the ground. The windows or doors to all fire escapes shall open outwardly. All fire escapes shall be located as far as possible, consistent with accessibility, from the stairways and elevator hatchways or openings, and the ladder thereof shall extend to the roof. The factory inspector shall, in writing, notify the owner, agent or lessee of such manufacturing establishment of the required location and specifications of such fire escapes as may be ordered. Stationary stairs or ladders shall be provided on the inside from the upper story to the roof, as a means of escape in case of fire.

SEC. 11. It shall also be the duty of the owner of such factory, or his agent, superintendent or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied, in the discretion of the inspector, where machinery is in use, automatic shifters or other mechanical contrivances for the purpose of throwing belts on or off pulleys. All gearing and belting shall be provided with proper safeguard.

SEC. 12. It shall also be the duty of the owner of any manufacturing establishment, or his agent, superintendent or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied, in the discretion of the inspector, where machinery is in use, belt shifters or other safe mechanical contrivances, for the purpose of throw-

ing belts on or off pulleys; and wherever possible machinery shall be provided with loose pulleys; all vats, pans, saws, planers, cogs, gearing and machinery of every description shall be properly guarded. Exhaust fans shall be provided for the purpose of carrying off dust from emery wheels and grindstones, and dust creating machinery, whenever deemed necessary by the factory inspector. No female under the age of twenty-one years, and no male under eighteen years of age shall be allowed to clean machinery while in motion: *Provided*, That the exhaust fans aforesaid need not be provided in any manufacturing establishment before the end of six months from and after this act shall take effect.

SEC. 13. A suitable and proper wash room and closet shall be provided for females where employed, and the water closets used by females shall be separate and apart from those used by males, and shall also be properly screened. All water closets shall be thoroughly ventilated and kept in a clean condition: *Provided*, That in places where no water and sewerage facilities exist, the maintenance of a suitable outhouse shall be held to be a compliance with the provisions of this section.

SEC. 14. Not less than forty-five minutes shall be allowed for the noonday meal in any manufacturing establishment in this State. The factory inspector shall have power to issue written permits in special cases, allowing a shorter meal time at noon, and such permit must be conspicuously posted in the main entrance of the establishment, and such permit may be revoked at any time the inspector deems necessary, and shall only be given where good cause can be shown.

SEC. 15. The prosecuting attorney of any county of this State is hereby authorized and required upon the request and complaint of the commissioner or factory inspector, or of any other person of full age, to commence and prosecute to termination before any court of competent jurisdiction, in the name of the people of the State, actions or proceedings against any person or persons reported to him to have violated the provisions of this act.

SEC. 16. The traveling expenses of said inspector, shall be approved by the Commissioner of Labor and audited by the Board of State Auditors, before payment, to be paid monthly by the Treasurer of the State out of any moneys not otherwise appropriated.

SEC. 17. Said factory inspector shall make a report to the Commissioner of Labor of each factory visited and inspected by him, which reports shall be kept on file in the office of the commissioner. The factory inspector shall have the same power to administer oaths as is now given to notaries public, in cases where persons desire to verify documents connected with the proper enforcement of this act.

SEC. 18. Any person who violates or omits to comply with any of the foregoing provisions of this act, or who suffers or permits any child to be employed in violation of its provisions, shall be deemed guilty of a misdemeanor, and, on conviction, shall be punished by a fine of not less than five nor more than one hundred dollars, or by imprisonment for not less than ten nor more than ninety days, or by both such fine and imprisonment in the discretion of the court.

SEC. 19. All acts or parts of acts inconsistent with the provisions of this act are hereby repealed.

Approved May 27, 1893.

The foregoing act went into effect August 25, 1893. Previous to this date, the Labor Bureau had been preparing to commence the inspection of factories in accordance with the provisions of the act. Blanks to be used in the inspection must be prepared and printed, and a sufficient number of inspectors appointed to make an inspection of as many manufacturing establishments as possible in the part of the year remaining. Samples of blanks used are given here.

FACTORY INSPECTION.

FACTORY INSPECTION.

1. Date of inspection.....
2. Location.....
3. Name of establishment.....
4. Name of owner, lessee or occupant.....
5. Name and P. O. address }
of party to be notified }
6. What goods manufac- }
tured or sold? }
7. Males employed..... Females.....
8. Are children employed under 14 years of age?.....
9. No. under 16 }
years of age } Males Females
10. Are registers kept and statements on file }
for all children employed? }
11. Are lists of names and ages of children }
employed posted in each room? }
12. What hours of labor required of women }
under 21 and males under 18 for a day? }
13. Are females under 21 or males under 18 allowed }
to clean machinery while in motion? }
14. Are notices of hours for labor posted in }
conspicuous places in every room? }
15. How many minutes are allowed for dinner?.....
16. Are hoisting shafts and well-holes properly }
enclosed and secured? }
17. Are proper trap and automatic doors provided }
in all floors where elevators are used? }
18. Are proper hand rails for stairs provided?.....
19. Are stairs properly covered with rubber }
where necessary? }
20. Are all stairs properly screened at sides and bottom?.....
21. Do all doors leading to or in factory open outward?.....
22. Are doors locked or bolted during working hours?.....
23. Are fire escapes provided?.....
24. Do doors and windows to fire escapes }
open outwardly? }
25. Is all gearing and belting provided }
with proper safeguards? }
26. Are automatic shifters in use for throwing belts on or off }
pulleys and where possible are loose pulleys provided? }
27. Are vats, pans, saws, cogs, and all gearing }
and machinery properly guarded? }
28. Are exhaust fans provided for carrying off dust?.....
29. Are suitable wash rooms and water closets provided?.....
30. Are water closets and wash rooms kept }
clean and properly ventilated? }
31. Are water closets for females separate }
and properly screened? }

(Factory Inspection Form 1 '93.)

[Fill one blank for each person killed or injured.]

ACCIDENT BLANK.

Name and location of Corporation, Company or Firm.....

Has any person been killed or injured during the current year.....

Name.....Sex.....Age.....Married or single.....

Date of accident.....

Cause of accident.....

At what employed.....

Killed or injured.....

If killed by whom was burial expense paid.....

If injured, nature of injury.....

How long disabled on account of accident.....days

Was any wages paid during time disabled.....

By whom was expense incurred on account of injury paid.....

GENERAL REMARKS.

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FACTORY INSPECTION.

[Factory Inspection Form 2-'93.]

INSTRUCTIONS.—Date each day of the week and fill with a brief detail of duty performed; then in space for remarks give a history of your work for the week or part of a week.

FACTORY INSPECTOR'S REPORT.

MICHIGAN.

To the Commissioner of Labor, Lansing, Mich.:

SIR—According to instructions I hereby report a narrative of each day's work, supplemented by remarks for the week ending.....

MONDAY.

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TUESDAY.

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WEDNESDAY.

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THURSDAY.

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FRIDAY.

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SATURDAY.

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REMARKS.

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Inspectors were appointed by the Labor Commissioner as follows: Wm. F. Tripp, Detroit; Louis C. F. Hintz, Grand Rapids; Ottmar O. Krapf, Saginaw; John A. Ruehle, Sault Ste. Marie.

George E. Gunn, who had been employed as general canvasser for the Labor Bureau, was regularly detailed as traveling inspector, and L. S. Russell, chief clerk of the Bureau, also assisted at inspection. Besides these Mr. John H. Van Nees, of Ionia and O. F. Webster, of Owosso, were employed to help out in the work in their vicinity. Of the five inspectors named first, all save Mr. Ruehle have remained in the inspection during the year. Mr. Ruehle was given the Upper Peninsula, but covered only a part of his territory, and is not retained as an inspector.

Many factories were closed down, and many in the country and small villages were not reached for want of time. In all, upward of two thousand places were inspected. Of this number six hundred were in Wayne county, three hundred and sixty-one were in Kent county, one hundred ninety-six were in Saginaw and Bay counties.

The most important features of the inspection have been with reference to child labor, fire escapes and elevators. The Bureau asked and received from the newspapers lengthy editorial notice of the law's taking effect, and had issued in pamphlet form and mailed to all those who asked for copies.

Notwithstanding all this, when the inspection began soon after September 1st, very few proprietors seemed to know that a law providing for factory inspection had been passed. It will readily be seen that besides a campaign of inspection, it was also a campaign of education which confronted inspectors.

As a rule, inspectors have received courteous treatment from proprietors, superintendents, and all concerned in the management of factories. The results obtained from inspection are fairly satisfactory.

Experience has added much to the efficiency of inspectors who have done the work, and there is little doubt that the benefits derived from the inspection of manufacturing places will be an adequate return for the money invested.

An examination of the forms of blanks used for inspection reports, etc., will show that the work is so conducted, that the Labor Commissioner is kept fairly well informed as to the inspection, and has on file a history of the work of all inspectors.

Prosecutions for violation of the law are ordered only by the Commissioner of Labor.

The following tabulated statement shows factories inspected; together with name of factory, location, date of inspection, goods manufactured, beside other information pertaining to number of employes, child labor, etc.

In the inspection and also in this report, each factory is given a number and known in the Labor Bureau by that number throughout the year. In the report of changes ordered, which follows the tabulated statement, the same rule is observed. For example, a certain factory is numbered "57" in the inspection and in this report. Changes ordered in that factory are also known by the number "57" in the statement of changes.

FACTORY INSPECTION.

TABLE No. I.—*Factory Inspection.*

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of minors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
1	1893 Aug. 29	Daleon & Sons	Charlotte	Carricages	running	75	---	no	10	---	10	60
2	" Sept. 5	Holton & Weatherax	Jackson	Machinery	"	40	---	"	---	---	10	60
3	" 6	National Wheel Co.	"	Buggy wheels	"	5	---	"	2	---	10	60
4	" 6	Columbia Foundry	"	Casings	"	5	---	"	---	---	10	60
5	" 6	John Hutchinson	"	Machinery	"	16	---	"	---	---	10	60
6	" 7	Collins Manufacturing Co.	"	Road carts	"	50	1	"	---	---	10	60
7	" 7	Fuller Buggy Co.	"	Buggies	idle	---	---	"	---	---	---	---
8	" 7	Lewis & Allen	"	Springs	"	---	---	"	---	---	---	---
9	" 7	Michigan Harness Co.	"	Harnesses	running	7	---	no	---	---	10	60
10	" 7	Standard Manufacturing Co.	"	Underwear	"	23	300	"	6	---	10	60
11	" 8	Home Cigar Factory	"	Cigars	"	5	---	"	1	---	8	60
12	" 8	Bortree Manufacturing Co.	"	Corsets	"	8	32	"	---	---	10	60
13	" 8	Reliance Corset Co.	"	"	"	13	112	yes	2	---	10	60
14	" 8	Coronet Corset Co.	"	"	"	30	80	"	---	---	10	60
15	" 9	Jackson Corset Co.	"	"	"	4	---	no	---	---	10	30
16	" 9	Heyser & Sons	"	Sash, doors and blinds	"	7	10	3	4	---	8	60
17	" 11	Union Lumber Co.	"	Dressed lumber	"	16	---	no	---	---	10	60
18	" 11	M. McQuillan & Sons	"	Sorted beans	"	19	---	no	---	---	9	60
19	" 11	Fosterin Buggy Co.	"	Buggies	"	23	---	no	---	---	8	60
20	" 11	Smith & Adams	"	Dressed lumber	"	15	---	no	---	---	9	50
21	" 11	Dennis Machine Co.	"	Machinery	"	23	---	2	4	---	8	60
22	" 12	Lewis Blessing	"	Boxes	"	4	11	no	---	---	9	60
23	" 13	Central Oil and Gas Store Co.	"	Sieves	"	6	---	no	1	---	9	30
24	" 13	Loennecker Cigar Factory	"	Cigars	"	34	---	no	---	---	9	60
25	" 13	Jackson Bridge and Iron Co.	"	Bridges	"	28	---	"	---	---	10	50
26	" 13	Aspinwall Manufacturing Co.	"	Corn and potato planters	"	33	---	"	---	---	10	50
27	" 13	Harmon Manufacturing Co.	"	Dust collectors	"	7	1	"	---	---	8	45
28	" 14	M. C. E. R. machine shops	"	Machinery	"	388	---	"	---	---	8	45
29	" 14	M. C. E. R. wood shop	"	Wood work	"	30	---	"	---	---	8	45
30	" 15	Knickerbocker Co.	"	Mill machinery and dust collectors	idle	---	---	"	---	---	---	---
31	" 15	Jackson Paper Manufacturing Co.	"	Paper	"	57	---	no	---	---	10	30
32	" 15	Novelty Manufacturing Co.	"	Oil Stoves	running	45	---	"	---	---	10	60
33	" 15	Withington & Cooley Manufacturing Co.	"	Shovels, hoes and rakes	"	38	2	2	3	---	10	60
34	" 15	Central City Soap Co.	"	Soap	"	21	---	no	---	---	9	50
35	" 15	S. W. Phillips Broom Factory	"	Brooms	"	35	---	no	---	---	10	60
36	" 15	Albion Malleslie Iron Co.	"	Castings	"	25	---	"	---	---	9	60
37	" 19	Elms Buggy Co.	Albion	Buggies	"	20	---	"	---	---	10	60

FACTORY INSPECTION.

TABLE No 1.- CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.	Children under 14 years.	No. of min- ora under 18 years employed.	No. hours labor required from minors.	No. minutes allowed for dinner.
91	1898	Chas. Pohlman	Detroit	Furniture frames	running	30	no	2	10	30
92	Oct.	Phoenix Wire Works annex	"	Wire cloth and wire goods	"	10	"	2	10	30
93	"	W. P. Holliday Box Factory	"	Paper boxes	"	15	"	2	10	30
94	"	Schilling Casket Co.	"	Caskets	"	65	33	6	9	30
95	"	P. A. Hines Casket Works	"	Caskets	"	50	190	5	10	30
96	"	Michigan Wire and Iron Works	"	Wire cloth, fences, etc.	"	100	45	5	9 1/2	30
97	"	Pingree & Smith	"	Shoes	"	280	240	33	9	30
98	"	Detroit Confectionery and Tablet Co.	"	Candies	"	87	45	8	10	30
99	"	Martin, Moore & Co.	"	Tobacco and bags	"	40	1	"	10	30
100	"	Horton, Cato Mfg. Co.	"	Sisal dressing, colory salt	"	7	10	"	10	30
101	"	D. M. Ferry & Co.	"	Seeds sorted and cleaned	"	75	335	2	10	30
102	"	A. W. Ferry & Co.	Dearborn	Bricks	"	22	4	"	10	30
103	"	Pres & Peabody	Wayne	Cheese clothing	"	21	3	"	10	30
104	"	Bentley & Glass Carriages Factory	"	Buggies and sleighs	"	63	2	"	10	30
105	"	Bailey Novelty Works	"	Ice cream and machine supplies	"	3	"	"	10	30
106	"	Michigan Cigar Box Co.	Detroit	Cigar and tobacco boxes	"	33	13	3	9	30
107	"	Entenpreis Machine Works	"	Jobbing, iron repairs, etc.	"	5	"	1	10	30
108	"	John Phillips & Co.	"	Shoe cases and store fixtures	"	35	1	"	10	30
109	"	Detroit Saw Works	"	Saws	"	5	"	"	10	30
110	"	J. L. Gearing & Sons	"	Flouring mill and builders	"	150	"	"	10	30
111	"	Galvanized Brass & Iron Works	"	Brass and iron	idle	30	no	"	10	30
112	"	The Howard Northwood Malt Mfg. Co.	"	Malt	running	35	1	"	10	30
113	"	Sutton Mfg. Co.	"	Pails and tubs	"	30	no	3	10	30
114	"	Detroit Sulphate Fibre Co.	"	Pianing mill, sash, doors etc.	"	180	"	"	10	30
115	"	Delta Lumber Co.	"	Cigar boxes	"	40	41	"	9	30
116	"	Standard Mfg. Co.	"	Clothing	"	3	39	3	10	30
117	"	Detroit Paper Bag Co.	"	Paper bags	"	8	"	"	10	30
118	"	Clark Can Co.	"	Tin cans	"	41	2	1	10	30
119	"	R. Friesdrichs	"	Tables	"	12	"	2	10	30
120	"	Dwight Lumber Co.	"	Dressed lumber	idle	115	"	2	10	30
121	"	Salotte & Ferguson	"	Lumber and timber	"	115	"	2	10	30
122	"	Anchor Manufacturing Co.	"	Barrels, staves, heading, etc.	"	166	8	1	10	30
123	"	Michigan Carbon Works.	"	Bone, bulk fertilizers and glue	running	65	1	"	10	30
124	"	Brownlee & Co.	"	Lumber and timber	"	65	"	"	10	30
125	"		"							
126	"		"							
127	"		"							

FACTORY INSPECTION.

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min- utes under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
1893												
Nov.												
181	10	C. D. Widman & Co.	Detroit	Looking glasses and novelties	running	115	10	no	15		10	50
182	10	Leland Faulconer & Norton Co.	"	Metal working machinery	"	43			2		10	30
183	10	Rumsey Manufacturing Co.	"	Sleighs and wheel vehicles	"	33					10	30
184	10	Acme White Lead & Color Works	"	Varnish	"	5					10	30
185	11	American Radiator Co.	"	Water radiators	"	250					10	60
186	11	Craddock Manufacturing Co.	"	Cut shingles, picture backing	"	60	1		23		10	25
187	11	Detroit White Lead Works	"	Paints, leads and putty	"	40	10		23		10	30
188	13	Detroit Motor Co.	"	Electric motors and generators	"	32	2				10	60
189	13	Detroit Tinware Manufacturing Co.	"	Electric motors and generators	"	32	2				10	30
190	13	Detroit Varnish Co.	"	Tinware	"	10	1				10	45
191	13	The Standard Electrical Co.	"	Varnish	"	13					10	60
192	14	Enraka Brewing Co.	Wyandotte	Electrical appliances	idle							
193	14	Wyandotte City Mills	"	Beer	running	3		no			10	60
194	14	Shelly & Robertson	"	Flour and feed	"	6					10	60
195	14	Lauby & Hurst	"	Planing mill and lumber	"							
196	14	Peninsular Emery Wheel Co.	Detroit	Staves and hoops	idle							
197	15	Furniture Factory	"	Steamships	running	100		no			10	50
198	15	Wallich & Eckel	"	Emery wheels	"	12					10	30
199	15	Russell Wheel and Foundry Co.	"	Furniture	"	98					10	45
200	16	Peninsular Car Co.	"	Sash, doors and blinds	"						10	30
201	16	Krenthar Bros.	"	Heavy castings and logging cars	idle							
202	16	Handle Factory	"	Freight cars	running	16		no			10	30
203	16	Michigan Lubricator Co.	"	Boot and shoe lasts	"	2					10	60
204	16	Thiely Feldman & Co.	"	Ax, pick, sledge handles, etc.	"	30	1				10	60
205	16	Ford Bros.	"	Steam engine supplies	"	21			1		10	60
206	17	Delbridge & Cameron	"	Sash, doors and blinds	"	18			3		10	60
207	17	Huebner Manufacturing Co.	"	Chair stock	"	16					10	60
208	17	C. H. Haberkorn & Co.	"	Sash, doors, blinds, etc.	"	31					10	60
209	17	International Optical Lens Co.	"	"	"	27			1		10	60
210	18	Pullman Palace Car Co.	"	"	"	53					10	30
211	18	West Side Lumber Co.	"	Parlor and library tables	idle							
212	18	John J. Martin	"	Sleeping cars	running	13	1	no			9	30
213	20	Detroit Spring & Steel Co.	"	Spectacle lenses	"	33					6	45
214	20	R. W. Hopkins	"	Sash, doors' blinds, etc.	"	15	1				6	45
215	20	John J. Martin	"	Planing mill and lumber yard	"	6					10	60
216	21	Detroit Spring & Steel Co.	"	Sash, doors, blinds	"	263	2				10	30
217	21	R. W. Hopkins	"	Steel springs and castings	"	4					10	60

[illegible]

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898	15	Detroit Brush Works.	"	Brushes and brooms.	"	13	15	"	1	1	10	4 40
899	15	Wm. Tegg Bros.	"	Cigars	"	40	6	"	1	1	8	* 30
900	15	A. Harvey & Son Manufacturing Co.	"	General steam goods	"	40	13	"	1	1	8	60
901	15	S. W. Morris & Son Laundry.	"	Laundering	"	12	3	"	"	"	9	60
902	15	J. W. Morrison & Co.	"	Job printers	"	12	3	"	"	"	9	45
903	15	Wm. Wain	"	Machinists	"	12	3	"	"	"	10	45
904	15	Carson & McDonald	"	Harnesses	"	12	3	"	"	"	10	* 30
905	15	J. J. Smedley Cigar Factory	"	Cigars	"	20	3	"	1	"	10	* 30
906	15	American Injector Co.	"	Live steam and exhaust injectors	"	20	3	"	"	"	10	* 30
907	16	Willard Bates Co.	"	Steam heaters	"	20	3	"	"	"	10	* 30
908	16	Wilcox Smith Co.	"	Printers and binders	"	20	3	"	1	"	10	* 30
909	16	Safety Furnace Pipe Co.	"	Hot air furnace pipes	"	20	3	"	"	"	10	* 30
910	16	American Ideal Paint Co.	"	Tobacco	"	20	3	"	2	9	10	60
911	18	Detroit Ideal Paint Co.	"	Paints	"	20	3	"	"	"	10	60
912	18	J. T. Wing's Metal & Oil Works	"	Rabbit Metal oil	"	20	3	"	"	"	10	60
913	18	Patricio American	"	Newspaper and job printers	"	14	3	"	1	"	10	60
914	18	Kurtz Paper Box Co.	"	Paper boxes	"	14	3	"	"	"	10	60
915	18	Platan & Hough	"	Horse collars	"	14	3	"	"	"	10	60
916	18	A. C. McGraw & Co.	"	Scots and shoes	"	104	3	"	"	"	10	60
917	18	John Clee Tractor Mills	Trenton	Flour and feed	idle	3	3	"	"	"	10	60
918	19	Acton Co. Tractor Mills	Flat Rock	Staves and hoops	running	3	3	"	"	"	10	60
919	19	Huron Valley Creamery	"	Butter and cheese	"	3	3	"	"	"	10	* 30
920	19	W. L. Walter Saw Mill	"	Lumber and timber	"	3	3	"	"	"	10	60
921	19	G. W. Walter & Sons	"	Flour and feed	"	3	3	"	"	"	10	60
922	19	G. W. Meltzer & Sons	"	Flour and feed	"	3	3	"	"	"	10	60
923	19	H. J. Dickman	"	Flour and feed	idle	2	2	"	"	"	10	* 30
924	19	Wayne County Bending Works	"	Saw mill and bending works	"	2	2	"	"	"	10	60
925	19	Feed Burden	"	Machine engines and boilers	"	2	2	"	"	"	10	60
926	19	Walton Saw Mill	Waltz	Lumber, timbers and charcoal	"	2	2	"	"	"	10	60
927	19	New Boston Creamery Co.	New Boston	Butter and cheese	"	2	2	"	"	"	10	60
928	20	Frank Schultz	Romulus	Flour and feed	running	11	6	"	"	"	9	60
929	20	Romulus Knitting Works	"	Screen doors	"	11	6	"	"	"	9	60
930	20	J. W. Hammel Manufacturing Co.	"	Knit goods	idle	11	6	"	"	"	9	60
931	20	Henry Sustedt's Factory	"	Furniture	"	11	6	"	"	"	9	60
932	20	Columbian Wire Works	"	Wire cloth	running	60	14	"	"	"	10	60
933	20	Detroit Sanitary Works	Belleville	Grease fertilizer, etc.	"	4	4	"	"	"	10	60
934	20	Edward Reed	"	Cleaning and sorting beans	"	4	4	"	"	"	10	60
935	20	J. G. Coomer	"	Lumber and timber	"	3	3	"	"	"	10	60
936	20	J. W. Clark, Cider Mill	"	Cider	"	3	3	"	"	"	10	60
937	20	C. M. Ford	"	Feed	"	3	3	"	"	"	10	60
938	20	James Stewart, Saw Mill	"	Lumber and timber	idle	3	3	"	"	"	10	60
939	20	E. N. Watson, Flouring Mill	"	Flour and feed	"	3	3	"	"	"	10	60
940	20	Martham Air Rifle Co.	Plymouth	Air rifles and cracker cans	running	60	1	"	"	"	10	60
941	21	J. H. Schackleton, Phoenix Mill	"	Flour and feed	"	3	3	"	"	"	10	60
942	21	D. B. Wilcox Mill	"	Air rifles and furniture	idle	3	3	"	"	"	10	60
943	21	Plymouth Air Rifle & Manufacturing Co.	"	Panning mills and screen doors	"	3	3	"	"	"	10	60
944	21	Wind Mill Co.	"	Lumber and timber	running	7	7	"	"	"	8	60
945	21	L. H. Bennett	"	Cider and jellies	idle	7	7	"	"	"	8	60
946	21	L. L. Lewis, Saw Mill	"	Lumber and feed	running	7	7	"	"	"	8	60
947	21	Thomas Sherwood, Cider Mills	Denton	Butter and cheese	"	7	7	"	"	"	8	60
948	21	G. M. Cotton Saw & Feed Mill	"	Fish	running	7	7	"	"	"	8	60
949	21	Albert Easter Creamery	"									
950	21	U. S. Commission, Fish	Northville									

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388	"	20	Wm. Brown	Trunks	running	20	32	10	60
389	"	29	Towar's Wayne County Creamery	Butter and milk	"	32	32	10	60
390	"	30	Richmond, Becke & Co.	Printers and blank books	"	34	5	10	80
401	"	30	London Steam Laundry	Laundering	"	3	5	9	30
402	"	30	Detroit Metallic Casket Co.	Burial caskets	"	28	2	10	30
1891.									
408	"	32	P. H. Dunkans & Co.	Picture frames, mouldings	"	13		10	45
401	"	32	Detroit Cabinet Co.	Furniture	idle				
403	"	32	H. Japes & Co.	Seah, doors, blinds	running	25		9	20
405	"	32	Geo. W. Larkins & Co.	"	"	25		10	30
406	"	32	Wm. Sauer	"	"	35		9	30
407	"	32	Hoffman Manufacturing Co.	Barrels	idle				
408	"	32	Henry Heck, Jr.	Furniture and office fixtures	running	12	14	10	20
410	"	32	Detroit Chikory Co.	Seah, doors, blinds	"	5		10	30
411	"	32	Geo. Bliss	Beer	"	19	2	10	60
412	"	32	F. J. Dingsman	Seah, doors and blinds	"	2		10	60
413	"	32	European Star Factory	Chikory	"	21	1	10	60
414	"	32	M. W. Wagner	Barrels	"	12	16	10	60
415	"	32	Michael Davis	Rags	"	12		10	30
416	"	32	C. Rohde	Wagons and buggies	"				
417	"	32	American Fibre Belting Mfg. Co.	Marine engines and castings	idle	60		10	40
418	"	32	S. F. Rodge & Co.	Cut stone	running	6		10	40
419	"	32	Robertson & Co.	Sat and cast screws	"	100	6	10	40
420	"	32	Detroit Screw Works	Soap and tallow	"	0		10	30
421	"	32	Scantlin Bros., Soap Works	Repairs of cars and engines	"	15		92	60
422	"	32	D. G. H. & M. Railway Shops	Alaska socks	"	14	34	10	30
423	"	32	Detroit Alaska Stock Works	Laundering	"	81	7	10	30
424	"	32	Paslin Steam Laundry	Cigars	"	3	2	9	30
425	"	32	J. B. Lieberman	Newspaper	"	20		8	30
426	"	32	Michigan Volksbath	Cigars	"	8		10	30
427	"	32	Henzig & Kummerfeld Co.	Wagons and trucks	"	5		9	60
428	"	32	W. Linderman	Book and job printers	"	7	1	10	60
429	"	32	Geo. Dierker	Book and job printers	"				
430	"	32	Fred Dierker	Car Stone	idle				
431	"	32	Wm. Phillips	Car Stone	running				
432	"	32	Wrench, Harris	Galvanized iron and sheet metal wks.	"				
433	"	32	Hunter & Schaeffer	Book and job printing	"	3		10	30
434	"	32	Globe Brass Works	Brass goods	"	15		10	30
435	"	32	Arthur Colton	Electric and novelties	"	6		10	30
436	"	32	W. R. Cole	Stones, saw mill	"	19		10	30
437	"	32	J. C. Cobb	Tools	idle				
438	"	32	W. H. Anderson	Horse collars	running	10		10	30
439	"	32	John Malcho	Carpet cleaning etc.	"	7		10	30
440	"	32	L. M. Peters	Sorting and packing rags	"	3	18	9	30
441	"	32	A. Simons & Co.	Brushes	"	2		10	30
442	"	32	The Handy Patent Brush Co.	Emery wheels	idle				
443	"	32	Michigan Emery Wheel Co.	Boots, shoes and leather	running	10	2	10	30
444	"	32	C. Kaiser & Son	Carriages and wagons	"	10		10	30
445	"	32	Marghan Bros.	Shoeskin and leather	"	94		9	30
446	"	32	Frankfort Schmidt & Sons	Roast and grind coffee	"	3	4	19	30
447	"	32	P. Henkel	Ready prints and stereotyped plates	"	19	2	9	60
448	"	32	Western Newspaper Union	Pillow sham holders	"	4	1	10	60
449	"	32	Clark Novelty Manufacturing Co.						

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TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
450	1894	House of Correction.	Detroit.	Chairs, rockers and buttons.	running	575	25	00			10	80
451	Jan. 8	Detroit Corridor and Slate Co.		Corsets work, roofing.	"	13					9	30
452	" 8	Thant & Lantz.		Carriages and wagons.	"	12					10	30
453	" 10	D. Epstein.		Rags, iron and metal.	"	3					10	30
454	" 10	F. Huetteman & Co.		Brewers and brick manufacturers.	"	21					10	30
455	" 10	J. F. Weber & Co.		Sash, doors and blinds.	"	15					10	30
456	" 10	P. Spelius.		Baskets and window shades.	"	1			1		10	30
457	" 10	John Wecker, Cooper Shop.		Barrels and tanks.	"	10					10	30
458	" 10	A. Poedelius & Co.		Furniture of all kinds.	"	15			1		10	30
459	" 10	John Peters.		Making and cleaning carpets.	"	4					10	30
460	" 10	Michigan Fish Hatchery No. 1.		White fish.	"	4					10	30
461	" 11	J. Lichdustein.		Cigars.	"	150	50				10	30
462	" 11	A. Jacobs & Co.		Clothing.	"	3					10	30
463	" 11	Paul Weise.		Sausage grinder.	"						10	30
464	" 11	J. H. Hartness & Co.		Soap and potash.	"	2					10	30
465	" 11	Oehmske Schanning Broom Factory.		Brooms.	idle	14		10			10	30
466	" 11	The Reed Boltz Manufacturing Co.		Tables and furniture.	running	8	8				10	30
467	" 11	Siam Laundering Co.		Laundry work.	"	7					954	30
468	" 11	W. T. Fish.		Shoes and uppers.	"	5			1		10	30
469	" 11	Banker Coin Case Co.		Coin wrappers.	"	13					10	30
470	" 11	Columbian Mfg. Co.		Picture frames and easels.	"	8					10	30
471	" 11	C. Bauman Estate.		Artificial limbs, etc.	"	38	12				10	30
472	" 12	C. P. Collins & Co.		Cigars.	"	12					10	30
473	" 12	Wayne Laundry.		Laundry work.	"	1					10	30
474	" 12	Monitor Cigar Co.		Cigars.	"	9	1				10	30
475	" 12	The Park & McKay Co.		Plumbers' supplies.	"	5					10	30
476	" 12	Victor Spring Bed Co.		Spring beds, mattresses.	"	31			2		10	30
477	" 12	Fisher Bros.		The manufacturer.	"	31					10	30
478	" 12	Acme White Lead and Color Works, No. 1.		White lead and paint.	"	31					10	30
479	" 13	Butterprise Steam Laundry.		Laundry work.	"	3					10	30
480	" 13	Princess.		Cigars.	"	3					10	30
481	" 13	Excelsior Corset Co.		Corsets.	"	1					10	30
482	" 13	W. F. Rich, Dress Stay Co.		Dress stays.	"	6					10	30
483	" 13	W. F. Rich, Dress Stay Co.		Cigars.	"	35					10	30
484	" 15	Acme White Lead and Color Works, No. 4.		Dry color and colored Japan.	"	15	1		1		10	30
485	" 15	Detroit Carpet Cleaning Works.		Cleaning and sewing.	"	7					10	30
486	" 15	Kennedy & Greig.		Machinists and brass founders.	"	8					10	30

487	Michigan Decorative Glass Co.	Detroit	Art glass	running	16	1	no	10	30
488	Gray Bros.	"	Carriages and wagons	"	25	"	"	10	30
489	Globe Staple Co.	"	Staples and patent fasteners	"	4	"	"	10	30
490	Trojan Steam Laundry	"	Laundry work	"	7	30	"	10	30
491	Michigan Paste Manufacturing Co.	"	Paste, mucilage and ink	"	4	"	"	10	30
492	Wagner Baking Co.	"	Bread	"	38	4	"	10	30
493	Oliver & Overy	"	Candies	"	6	4	"	10	30
494	Crabb & Son	"	Brooms and brushes	"	12	3	"	10	30
495	Detroit Basket Co.	"	Baskets	"	15	"	"	10	30
496	E. T. Barnum & Co.	"	Wire and iron goods	"	8	"	"	10	30
497	U. S. Baking Co., Depew Branch	"	Carriages and wagons	"	8	"	"	10	30
498	Charles Sparks	"	Crackers and cakes	"	17	5	"	9	30
499	U. H. Fabre	"	Cigars	"	20	"	"	9	30
500	H. P. Baldwin & Co.	"	Boots and shoes	"	20	20	"	9	45
501	R. Wolfertz & Son	"	Shoe and cigar machinery	"	3	1	"	10	30
502	Zabriskie & Bennett	"	Stencil seals and rubber goods	"	4	"	"	9	30
503	Michigan Baking Co.	"	Breads and cakes	"	7	1	"	9	30
504	Edison Illuminating Co.	"	Electric lights	"	6	"	"	9	30
505	Vienna Model Bakery	"	Bread and cakes	"	6	15	"	10	30
506	Cambridge Steam Laundry	"	Laundrying	"	6	6	"	9	30
507	Russian and Turkish Cigarette Co.	"	Cigarettes and tobacco	"	4	6	"	9	30
508	C. Elliott & Co.	"	Roast and grind coffee, etc.	"	22	"	"	8	30
509	George Mobes & Co.	"	Cigars	"	50	"	"	10	30
510	Swan Creek Rolling Mills	Fair Haven	Flour and feed	"	2	"	"	"	"
511	Fair Haven Stave Co.	"	Staves and headings	"	7	"	"	"	"
512	Ass. and Wm. Weidler	Anchorville	Cider mill	idle	"	"	"	"	"
513	Fred Carter	N. Baltimore	Planing mill	running	2	"	no	10	60
514	A. B. Perkins & Co.	"	Staves and headings	running	7	"	no	12	"
515	Mt. Clemens Water Works	Mt. Clemens	Water	running	15	"	no	10	60
516	A. Brehler & Son	"	Sash, doors and blinds	idle	"	"	"	"	"
517	E. R. Egnew	"	Lumber and timber	running	14	"	no	10	60
518	Donelson Bros.	"	General planing	"	11	"	"	10	60
519	J. Lansby & Son	"	Carriages and farming implements	running	60	"	"	10	60
520	Mt. Clemens Electric Light Co.	"	Sash, doors and blinds	idle	"	"	no	12	30
521	Van Landeghem Stove Co.	"	Commercial and public lighting	running	7	"	no	"	"
522	Hoyt Steam Laundry	"	Staves and hardwood lumber	running	4	10	no	10	30
523	The Model Laundry	"	Laundry work	running	2	3	"	8	30
524	Mr. Glass	"	Cigars	"	1	"	"	10	30
525	Wm. Ritten	"	Wagons and carriages	"	4	"	"	8	60
526	H. McInerney	"	Job printing	"	1	"	"	10	60
527	The Press Newspaper	"	Contractors and builders	"	5	"	"	8	60
528	Hunbarth & Schott	"	Cigars	"	4	1	"	10	30
529	G. M. Gates	"	Job printing	"	10	"	"	8	60
530	Mt. Clemens Cigar Co.	"	Wagons and carriages	"	2	"	"	8	60
531	Lee Printing Co.	"	Flour and feed	"	3	"	"	9	60
532	J. Koehler	"	News paper and job work	"	3	"	"	9	60
533	City Mills	"	Cooperage	"	2	"	"	10	30
534	Mt. Clemens Monitor	"	Book binders	"	7	"	"	9	30
535	T. W. Snook & Son	"	Paper boxes	"	6	"	"	9	30
536	Wm. Snicket & Sons	Detroit	"	"	8	"	"	10	30
537	Western Paper Box Co.	"	"	"	10	9	"	9	30
538	"	"	"	"	5	14	"	9	30
539	"	"	"	"	5	"	"	9	30

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FACTORY INSPECTION.

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.		No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.	Males.	Females.	Males.	Females.		
589	1898. Oct. 9	Roberts, Thorp & Co.	Three Rivers.	Corn shellers, hand cars and thresh- ing machines.	running	9						8	60
590	" 9	The Whitmore Air Purifier Mfg. Co.	"	Buggies.	"	7	1					8	60
591	" 9	The Initial Toepad Co.	"	Buggy tops and toe pads.	"	10						10	60
592	" 10	The Saitan Buggy and Cart Co.	White Pigeon	Buggies and carts.	"	9						8	60
593	" 10	Grohliser & Crosby, Furniture Co.	Sturgis	Furniture.	"	49				2		10	60
594	" 10	Wait & Barnes, Furniture Co.	"	"	"	80				2		10	60
595	" 10	Ausbrook & Sturges, Furniture Co.	"	"	"	75						10	60
596	" 10	John Whitmer	"	Sash, doors and blinds.	"	7				1		10	60
597	" 11	Wait & Wetmore	"	Furniture	"	23						10	60
598	" 11	The Pratt Manufacturing Co.	Coldwater.	Hand sleds	"	60						10	60
599	" 11	N. Harlow	"	Furniture	"	20						10	60
600	" 11	Calkins & Co.	"	Barrel staves	"	85						10	60
601	" 11	J. J. Deal & Son.	Jonesville	Buggies	idle							10	60
602	" 11	E. C. Campbell.	Hilledale	Sash, doors and blinds.	running	2						10	60
603	" 12	Hilledale Iron Co.	"	Machinery	"	8						10	60
604	" 12	Lake Shore R. R. Machine and Car Shops	Adrian	Floor	"	25						10	60
605	" 12	Page Woven Wire Co.	"	Car building	"	204						10	60
606	" 12	The Church Manufacturing Co.	"	Wire fence and gates.	"	35						10	60
607	" 12	A. E. Palmer, Chair Factory	"	Pumps	"	13						10	60
608	" 12	Griffith and Electric Co.	"	Upholstered furniture.	"	25						10	60
609	" 12	Goodsell Co.	"	Lime supplies for Tel. Co.	"	11						9	60
610	" 12	L. Ladd	"	Sash, doors and blinds.	"	11						8	60
611	" 13	Adrian Brick and Tile Machine Co.	"	Canning factory	"	18				2		10	30
612	" 13	Adrian Packing Co.	"	Canning fruit	"	40						8	60
613	" 13	Leontwee Preserving Co.	"	Brick and tile machines	"	40	14			5		10	60
614	" 13	Austin & Rose.	"	Canned goods	"	12	25			4		10	60
615	" 13	Mitchell's Paper Mills.	"	Sash, doors and blinds.	"	16						10	60
616	" 14	John Wahl	Monroe.	Paper	"	18						10	60
617	" 14	D. B. Root & Son	"	Sager Beer	"	9						10	60
618	" 14	Monroe Manufacturing Paper Co.	"	Sash, doors and blinds.	"	25						10	60
619	" 15	The Schuler Tag, Label and Box Co.	Ypsilanti	Dresses and shipping tags.	"	20				2		10	60
620	" 16	The Ypsilanti Dress Blay Co.	"	Dresses	"	10	15			3		10	60
621	" 16	Hart & Todd Manufacturing Co.	"	Underwear	"	10	30			1		10	60
622	" 16	Polmer & Spovall	"	Sash, doors and blinds.	"	3						10	60
623	" 16	Ypsilanti Machine Co.	"	Machinery	"	10						10	60

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635	16	Pontiac Paper Co.	Paper	25	15	no			10	60
636	16	McCullough Foundry	Castings	5		"			10	60
637	17	Yesland Lumber Co.	Sash, doors and blinds	14		"			10	60
638	17	Michigan Furniture Co.	Furniture	50		yes	4		7 1/2	60
639	17	Robert Hunter	Engines and boilers	6		no			9	60
640	17	Ann Arbor Manufacturing Co.	Curtain fixtures	3	5	"			8	60
641	17	Ann Arbor Organ Co.	Organs	15		"	1		10	60
642	17	Ann Arbor Agricultural Implement Wks.	Farm implements	22		"			8	60
643	17	Ferguson Cart Factory	Carriages and carts	15		"			9	60
644	18	A. Alquist	Sash, doors and blinds	6		no			10	60
645	18	Cluck Bros.	running	15		"			10	60
646	18	Michigan Table Co.	Tables	4		idle			10	60
647	19	Buns & Avery	Sash, doors and blinds	174	87	no	3	8	9	60
648	23	Review and Herald Publishing Co.	Boxes and scoops	3	2	"			10	60
649	23	Michigan Scoop Co.	Shipping tags	4		"			10	60
650	23	The American Manufacturing Co.	Planing mill	15		"			10	60
651	23	G. T. Ry. Shops	Machinery	165		"			10	60
652	23	Nichols, Shepard & Co.	Thrashing machines	375		"			10	60
653	23	Battle Creek Machinery Co.	Machinery	15		"			10	60
654	25	Metal Box & Album	Albums	5		"			10	60
655	25	Douglas Printing Press Co.	Printing presses	25	5	"			8	60
656	25	A. H. Mitty	Cigars	15	5	"			8	60
657	26	Advance Thrasher Co.	Thrashers			idle				
658	26	Michigan Foundry Co.	Castings	20	5	running			10	60
659	26	Gage & Sons	Printers' offices	8	1	"	1		10	60
660	26	L. E. Clapp	Sash, doors and blinds	25	75	"			10	60
661	28	Featherston's Corset Co.	Corsets	20		"	1	1	10	60
662	28	Henderson, A. & Co.	Band and military supplies	10		"			10	60
663	28	Thos. Clagett & Sons	Machinery	15		"			10	60
664	28	American Cart Co.	Road carts	10		"			10	60
665	28	L. Cahill & Co.	Plow sulkies	15	90	"	6	6	10	60
666	29	American Playing Card Co.	Playing cards	13		"			9	60
667	29	Humphrey Manufacturing and Plating Co.	Plating goods	5		"			10	60
668	29	Strait Manufacturing Co.	Pumps and plumber supplies	10	40	"	2	2	10	60
669	29	S. Solomon & Co.	Pants and overalls	18		"	1	1	10	60
670	27	Burrell & Sons	Wagons	20		"			10	60
671	27	Wm. E. Hill & Co.	Machinery	40		idle			10	60
672	30	The Lawrence & Chapin, Co.	Carriages	40		running			10	60
673	27	Clark & Dutton	Sash, doors and blinds	135		yes	12	12	10	60
674	27	Cornell & Co. Carriage Manufacturing	Road wagons	123	5	no			10	60
675	27	Dewing & Sons	Buggies	50		"			9	60
676	29	Winous, Pratt & Co.	Wagons and buggies	35		"			10	60
677	29	Michigan Baggy Co.	Harrows	35		"			10	60
678	29	D. C. & H. C. Reed & Co.	R. R. velocipedes and hand cars	45		"			10	60
679	30	Kalamazoo Wagon Co.	Plows	93		"			9	60
680	30	Kalamazoo Velocipede and Car Co.	Washboards	40		"	2	12	12	60
681	30	St. Johns Plow Co.	Buggy wheels	40		idle			10	60
682	30	The American Washboard Co.	Run implements	40		"			10	60
683	30	Standard Wheel Co.	Sash, doors and blinds	40		running	1		10	60
684	30	The Luce & Skinner Co.								
685	30	North & Coon								

* Permission for short dinner hour given by inspector.

Oct. 2

TABLE NO. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 16 years.	No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
677	Oct.	Kalamazoo Spring Axle Co.	Kalamazoo	Springs and axles	idle	65	35	no			10	60
678	"	The Botsford Paper Co.	"	Paper	running	10		no			10	60
679	"	E. S. Williams, Tank Manufacturing Co.	"	Water tanks	idle							60
680	"	Newton Carriage Co.	"	Carriages	running	20		no			10	60
682	"	Michigan Buggy Co., Wood Shop	"	Woodwork	idle			no				60
683	"	Shelton & Bigelow Mill Co.	"	Wind mills	running	13		no			8	60
684	"	Sheffield Car Co.	Three Rivers	Hand cars	running	25	17				10	60
685	"	Three Rivers Paper Co.	"	Paper	running							60
1894												
686	Jan.	Calvert Lithographing Co.	Detroit	General lithographing	"	185	50	no	10	2	9½	* 30
687	"	American Press Association	"	Performances	"	11	1	"		2	8	* 30
688	"	Williamson Manufacturing Co.	"	Job Printers	"	4	6	"			9	* 30
689	"	Friesina Bros. Printing Co.	"	Perfumes and toilet articles	"	4		"			10	* 30
690	"	E. N. Lightner & Co.	"	Machinery	"	4	8	"	3		9	* 30
691	"	R. & E. Wuefing	"	Laundry work	"	3		"			10	* 30
692	"	Standard Laundry	"	Cigars	"	1	2	"			9	* 30
693	"	Wm. Heinbuch	"	Bread and cakes	"	7	1	"			9	* 30
694	"	F. Wittelsberger & Co.	"	Mittens and gloves	idle	13	1	"			9	* 30
695	"	Detroit Glove Works	"	Bread and cakes	running			no			9	* 30
696	"	Morton Bakery Manufacturing Co.	"	"	"	38	2	"			9	* 30
697	"	H. C. Wiesinger Bakery	"	"	"	3	1	"			9	* 30
698	"	P. R. Bader	"	"	"	5	1	"			9	* 30
699	"	J. H. McEldaway	"	Brooms	"	4		"			10	60
700	"	Enterprise Carbonating Co.	"	Carbonic gas	idle			no	1		9	* 30
701	"	R. Knapp	"	Paper boxes	running	6		"			9	* 30
702	"	Haste & Harris	"	Cream crackers	"	25		"		3	9	* 30
703	"	Grand Laundry	"	Laundrying	"	10	23	"			9	60
704	"	Brewer's Brewery	Mt. Clemens	Lager beer	"	4		"			10	60
705	"	Star Bakery	"	Bread and cakes	"	3		"			10	60
706	"	Sprindell Water Works	"	Water, ginger ale, etc.	"	11		"		2	10	60
707	"	Phillips McCredy	"	General machinery	"	3		"			10	60
708	"	Van Landeghams Factory	"	Chickory	idle			no			10	60
709	"	H. Weigel	"	Potash	running	4		"			10	60
710	"	Mt. Clemens Brewing Co.	"	Lager beer	"	9		"			10	60
711	"	M. McIntyre	"	Elevating and cleaning grain	idle	2		"			10	60
712	"	T. W. Snook & Son	"	Staves and heading	running			"			10	60
713	"	Wm. C. Heath	Detroit	Job printing	running	7		no			9	* 30

714	30	The Michigan Horse News	Journal and job printing	11	1	10	* 30
715	30	Angelus Publishing Co.	Book publishers	3	2	9	* 30
716	30	H. S. Downer	Engraving and stencils	6	"	9	* 30
717	30	C. H. Rule	Job printing	4	"	9 1/2	* 30
718	30	Bawl Kollar & Kniff Co.	Water proof collars and cuffs	2	"	9	* 30
719	30	G. R. Gross & Son	Cigar	9	"	8	* 30
720	30	Lichtenberg & Son	Cleaning and picking beans	3	"	10	* 30
721	30	Pamberthy Injector Co.	Injectors, oil cups, etc.	39	1	10	* 30
722	30	Waterloo Yeast Co.	Twin Bros. yeast	3	"	10	* 30
723	30	Mich. Electrotype and Stereotype Co.	Electrotype and stereotype plates	44	"	9	* 30
724	30	J. Barman & Son	Job printing, Catalogue work	50	"	9 1/2	* 30
725	31	Wm. Cornwell	Book binding	8	4	9 1/2	* 30
726	31	Stanton & Morey	Jobs, shirts and overalls	50	825	9	* 30
727	31	Oxford Printing Co.	Job printers	7	3	10	* 30
728	31	C. L. Roehm	Book binders and books	23	8	9	* 30
729	31	The Mich. Confectionery Co.	General job printing	3	"	10	* 30
730	31	The Mich. Confectionery Co.	Candies	3	"	9	* 30
731	31	Lambert & Lawman	Chemists and perfumers	8	"	9	* 30
732	31	Peerless Manufacturing Co.	Plants, shirts and overalls	15	60	9	* 30
733	31	J. S. Reno Manufacturing	Jewelers	3	"	9	* 30
734	31	Raynor & Taylor	Job and book binding	24	6	9 1/2	* 30
735	31	J. C. Biel	Carriages and wagons	59	1	10	* 30
736	31	Roe Stephens Manufacturing Co.	Brass and iron valves	3	"	10	* 30
737	31	J. A. Burch	Ladders	2	"	10	* 30
738	31	G. F. Barker	Carriages and wagons	3	"	10	* 30
739	31	Electric Carpet Cleaning Co.	Carpets, dyeing and upholstering	7	"	10	* 30
740	31	Warren Capsules Co.	Carpets	12	"	10	* 30
741	31	Teakle & Golden	Contractors and builders	4	"	10	* 30
742	31	F. Posselius Bros.	Furniture	2	"	9 1/2	* 30
743	31	Detroit Bedding Works	Feather beds and mattresses	65	"	10	* 30
744	31	A. Laitner	Brushes	2	2	10	* 30
745	31	M. Jacobson	Rags and metals	2	no	9	* 30
746	31	E. Marks & Co.	Cigars	3	2	8	* 30
747	31	H. A. Marks	Baskets	4	"	10	* 30
748	31	E. G. Richards	Boxes and planing	100	"	10	* 30
749	31	Belnap & Essler Co.	Wagons	5	"	10	* 30
750	31	Detroit Umbrella Co.	Umbrellas	20	"	8	* 30
751	31	A. Freedman	Sorting rags	2	16	9	* 30
752	31	F. A. Decker	Furniture	8	2	10	* 30
753	31	Star Carpet Cleaning Co.	Cleaning carpets	20	"	10	* 30
754	31	Chas. Manzelmum	Brooms	2	"	8	* 30
755	31	Gillman Carpet Cleaning Works	Cleaning carpets	2	"	10	* 30
756	31	C. H. Curtis Corset Factory	Corsets	2	4	9	* 30
757	31	Fox Bros.	Special furniture	8	"	9	* 30
758	31	Cigar Box Factory	Cigar boxes	8	"	10	* 30
759	31	Metropolitan Steam Dye Works	Dyeing and cleaning	4	"	9	* 30
760	31	J. P. Hensien	Tinware and elbows	6	"	10	* 30
761	31	DeCroupet Iron Works	Fire escapes, grates and tile	40	"	10	* 30
762	31	Whittingham & Frazer	Patterns and brass goods	8	"	10	* 30
763	31	L. J. Wohlisch	Instrument and models	6	"	9 1/2	* 30
764	31	Chas. Finck	Furniture	4	"	9	* 30
765	31	Hollenberg & Liebig	Machinists and engines	12	"	9	* 30
766	31	Eagle Paper Box Co.	Paper boxes	6	14	10	* 30

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FACTORY INSPECTION.

TABLE NO. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 15 years.	No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
767	1894	Castle Steam Laundry	Detroit.	Laundering	running	3	8	no			6	30
768	Feb.	Pierpont & Hough No. 2		Harness, collars and saddlery	"	12	1	"			10	30
769	"	Detroit Picture Frame Co.		Picture frames	"	6	1	"			9	30
770	"	Armstrong & Graham		Harness, collars and saddlery	"	61	9	"			9	30
771	"	Albert Fischer		Patterns and models	"	2	8	"			10	30
772	"	Canadino Bros.		Cigars	"	3	8	"	2		9	30
773	"	Michigan Plating Works		Plating and polishing	"	10		"			10	60
774	"	C. B. Tuttle		Harnesses and turf goods	"	10		"			10	30
775	"	Penn File & Co.		Files and rasps	"	5	5	"			16	45
776	"	W. N. Carlisle & Co.		Turf goods and harnesses	"	15		"			10	45
777	"	J. Berlin		Hats and caps	"	12	7	"			10	45
778	"	Detroit Horse Goods Co.		Harnesses and horse goods	"	5		"			10	45
779	"	Regalia Co.		Society and military supplies	"	10		"	1		10	60
780	"	Schlenburg Cycle Co.		Repair and manufacturing cycles	"	5		"			10	45
781	"	Morgan, Puhl & Morris		Society and military goods	"	10	16	"			9	60
782	"	Kuttnauer, Rosenfield & Co.		Furnishing goods	"	5	35	"	2		9	30
783	"	Clarke & Rosendian		Job printers	"	5	3	"			9	30
784	"	Beck & Knight		Blankbook binders	"	5	5	"	2		9	30
785	"	C. Linsemann		Umbrellas	"	11	7	"			10	30
786	"	Cabinet Cigar Co.		Cigars	"	4		"	1		9	45
787	"	H. Stender		Hats	"	4	1	"			10	45
788	"	J. C. Hartz		Printed matter	"	3		"			9	60
789	"	A. W. Brooks		Fruits and candies	"	5	30	"			10	45
790	"	V. Schroeder		Sails, awnings and tents	"	4		"			10	60
791	"	Bloom & Co.		Shirts and laundering	"	8	33	"			10	60
792	"	Gourlay Bros.		Printed matter	"	20		"			8	75
793	"	D. O. Haynes & Co.		Plush and hardwood, fancy boxes	"			"				
794	"	Detroit Tray and Box Co.		Custom made clothing	idle	5	1	no			10	60
795	"	Moll & Stock		Hats, caps and fur goods	running	2	4	"			9	30
796	"	Dickinson & Co.		Paper tags	"	2	16	"			9	30
797	"	J. Burnatino		Stoves, ranges and tinware	"	3	1	"			10	60
798	"	Wm. T. Dosta		Job printing	"	123		"			10	60
799	"	Index Printing and Publishing Co.		Printed matter	"	5	2	"	1		9	30
800	"	Detroit Daily Abend Post		Cigars	"	10	6	"	1		8	30
801	"	German Catholic Weekly			"	10	2	"	1		8	30
802	"	Tany Mauer			"	10	2	"	1		8	30
803	"	Berger, Burdick Co.			"	6	6	"			9	30

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904	A. H. Jackson	"	Pants	3	1	1	10	60
905	East End Laundry	"	Laundry	2	3	1	10	9
906	C. Baumann & Son	"	Wagons and trucks	4	3	1	10	45
907	Gruber & Wilson	"	Brushes	3	2	1	10	30
908	Max W. Jeff	"	Tobacco and cigars	5	1	1	8	60
909	J. Petchell	"	Wire goods	3	1	1	10	45
910	Horne of Industry	"	Furniture and brooms	15	3	1	10	60
911	L. Gabler	"	Harnesses and collars	3	3	1	10	60
912	J. W. Weinstein	"	Steam fixtures	33	2	1	9 1/2	30
913	M. E. Hope & Co.	"	Paper bags	3	16	1	10	60
914	J. W. Noble & Co.	"	Seals and awnings	4	3	1	10	60
915	J. C. Goss & Co.	"	Sails	17	3	1	10	60
916	W. J. Armstrong	"	Cigars	23	2	1	8	30
917	The Sunday Sun	"	Printed matter	6	1	1	9 1/2	30
918	Hanford Printing Co.	"	Job printing	10	1	1	10	45
919	Thos. Smith Printing Co.	"	Dressed lumber	5	1	1	10	45
920	C. Watz	"	Brushes and aluminum goods	3	1	1	8 1/2	30
921	Scheible & Co.	"	Brooms and brushes	4	1	1	10	45
922	H. A. Hermann	"	Shed doors and blinds	4	1	1	10	45
923	Michigan Bolt and Nut Works	"	Cigars	17 1/2	1	1	8	60
924	Detroit Edge Tool Works	"	Bolts and nuts	13	1	1	10	45
925	Gaylord Iron Co.	"	Machine knives	36	1	1	12	60
926	Michigan Ammonia Works	"	Pig iron	12	1	1	12	60
927	Union Iron Co.	"	Pig iron	30	1	1	12	60
928	Penn. Iron Co.	"	Stove trimmings, etc.	120	30	1	10	60
929	The Ireland & Matthews Mfg. Co.	"	Cars	25	1	1	8	60
930	G. R. & L. R. shops	"	Finished lumber	39	1	1	10	30
931	C. Morton	"	Felt boots, etc.	53	1	1	10	45
932	Rowson Bros. & Co.	"	Furniture	400	1	1	10	50
933	Grand Rapids Felt Boot Co.	"	Chairs, settees and tables	100	1	1	10	50
934	McCord & Bradfield Furniture Co.	"	Boxes	125	1	1	10	30
935	Grand Ledge Chair Co.	"	Stucco and plaster	4	1	1	10	60
936	Stickley Bros. Co.	"	Stucco brick	57	1	1	10	50
937	Stickney manufacturing and Box Co.	"	Stucco and plaster	21	1	1	10	50
938	Anti-Kalsomine Co.	"	Furnaces	10	1	1	10	50
939	G. R. Desk Co.	"	Iron castings	5	1	1	10	50
940	G. R. Novelty Mfg. Co.	"	Fire ladders and trucks	50	1	1	10	50
941	McGraw Mfg. Co.	"	Tables	40	1	1	10	50
942	John Mack	"	Church furniture, etc.	6	1	1	10	50
943	Alabastine Mill	"	Dressed lumber	25	1	1	10	60
944	Grand Rapids Brick Co.	"	Seats and tanks	39	1	1	10	60
945	F. Godfrey & Bros.	"	Rope and twist	53	1	1	10	45
946	Grand Rapids Furnace Co.	"	Carriage, sleigh and wood work	400	1	1	10	50
947	Patterson Furnace Co.	"	Stucco and plaster	100	1	1	10	50
948	Vulcan Iron Works	"	Stucco and plaster	125	1	1	10	30
949	Michigan Fire Ladder and Engine Co.	"	Stucco and plaster	4	1	1	10	60
950	Osborn Mfg. Co.	"	Iron castings	6	1	1	10	50
951	Standard Table Co.	"	Fire ladders and trucks	20	1	1	10	50
952	Geo. S. Reeves	"	Tables	6	1	1	10	50
953	L. P. Wartz	"	Church furniture, etc.	6	1	1	10	50
954	The Ireland & Matthews Mfg. Co.	"	Dressed lumber	25	1	1	10	60

FACTORY INSPECTION.

TABLE No. 1.—CONTINUED.

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						Males.	Females.		Males.	Females.		
1199	1898	H. Rademaker & Son	Grand Rapids	Bell bats and croquet sets	running	80					10	60
1200	Sept. 13	Central Furniture Co.	"	Tables and mouldings	"	15					10	60
1201	" 13	Jelts, Dressage & Co.	"	Wood working	"	23					10	60
1202	" 13	M. L. Strong	"	Furniture	"	67			1		10	60
1203	" 13	J. H. Ter Braak	"	Wooden shoes	"	52			1		10	60
1204	" 14	DuGraff, Vrieling & Co.	"	Dressed lumber, etc.	"	52			1		10	60
1205	" 14	Sligh Furniture Co.	"	Furniture	"	133			8		10	60
1206	" 14	F. D. McClure & Co.	"	Brushes	idle				1		10	60
1207	" 14	Valley City Spring Bed Co.	"	Spring beds, etc.	running	7					10	60
1208	" 14	J. Reedman	"	General wood work	"	9					10	60
1209	" 15	Reed Engraving Co.	"	Engraving	"	2					10	60
1210	" 15	Evening Press	"	Engraving	"	43			3		10	60
1211	" 15	Stanton Printing Co.	"	Printed matter	"	4					10	60
1212	" 15	Kinsley Bros. & Co.	"	Shirts and shoes	"	8					10	60
1213	" 15	Rindes, Kalmbach & Co.	"	Cigar boxes	"	60			1		10	60
1214	" 15	Mueller & Son	"	Pair boxes	"	4					10	60
1215	" 15	G. R. Paper Box Co.	"	Machinery	"	10			3		10	60
1216	" 15	Michigan Iron Works.	"	Engraving and printing	"	20					10	60
1217	" 16	Palmer Shirt Co.	"	Shirts and collars	"	4					10	60
1218	" 16	Stanley & Backley	"	Carpet cleaning	"	5					10	60
1219	" 16	G. R. Electric Cleaning Works.	"	Carpet cleaning	"	7					10	60
1220	" 16	National Handy Article Co.	"	Dust pans	"	4					10	60
1221	" 16	W. G. Hopson	"	Galvanized iron	"	10			1		10	60
1222	" 16	Wilcox Heat and Light Co.	"	Oil stoves and gas radiators	"	20					10	60
1223	" 16	Jennings & Smith	"	Extracts and perfumes	"	9					10	45
1224	" 16	Grand Rapids Herald	"	Printed matter	"	25			1		10	30
1225	" 18	F. J. Sokup & Co.	"	Galvanized iron cornices	"	20					10	60
1226	" 18	Grand Rapids Paint and Color Co.	"	Paints	idle	174					10	60
1227	" 18	Wm. A. Berkey Furniture Co.	"	Furniture	running	85			3		10	60
1228	" 18	Arthur Wood Carriage Co.	"	Carriages	idle	9			1		10	60
1229	" 18	J. R. Refrigerator Co.	"	Refrigerators	running	25					10	60
1230	" 18	J. Chilver & Co.	"	Blank books, etc.	idle	2			2		10	60
1231	" 18	Dean Printing Co.	"	Printed matter	running	8					10	60
1232	" 19	J. W. York & Co.	"	Musical instruments	"	23					10	60
1233	" 19	Trade-smen Co.	"	Printed matter	"	6			1		10	60
1234	" 19	Pittman Candy Co.	"	Candies	"	13					10	60

1386	19	Wm. Miller	idle	3	10	60
1387	19	Henson & Johnson	running	6	10	60
1388	20	Grand Rapids Shirt Co.	idle	3	10	60
1389	20	Vanden Berg Mfg. Co.	running	28	10	60
1390	20	Rooker's Printing House	idle	3	10	60
1391	20	Gardner & Baxter	running	3	10	60
1392	20	Sutton & Murphy	idle	3	10	60
1393	20	Weatherly & Fulte	running	23	10	60
1394	20	G. R. Democrat	idle	88	10	60
1395	20	Grand Rapids Book Binding Co.	running	9	10	60
1396	20	Alfred J. Brown	idle	3	10	60
1397	21	The Workman	running	3	10	60
1398	21	Germania	idle	3	10	60
1399	21	C. A. Coye	running	3	10	60
1400	21	Barlow Bros.	idle	3	10	60
1401	21	Loomis & Underlock	running	16	10	60
1402	21	E. Ramlville	idle	10	10	60
1403	21	Consolidated Street R. R. Co.	running	13	10	60
1404	21	G. R. Lithograph Co.	idle	24	10	60
1405	21	Eaton Printing and Binding Co.	running	20	10	60
1406	21	Grand Rapids Engraving Co.	idle	16	10	60
1407	21	Grand Rapids Eagle	running	28	10	60
1408	21	New York Biscuit Co.	idle	46	10	60
1409	21	Grand Rapids Corset Co.	running	20	10	60
1410	22	Reyman & Co.	idle	10	10	60
1411	22	J. J. Koke & Co.	running	3	10	60
1412	22	Rueler & Slack	idle	23	10	60
1413	22	Bodenstein Bros.	running	9	10	60
1414	22	Neelon Matter & Co.	idle	6	10	60
1415	22	G. R. Electrotype Co.	running	90	10	60
1416	22	A. S. Settle Iron Works	idle	30	10	60
1417	22	Elliot Button Fastener Co.	running	10	10	60
1418	22	Grand Rapids Electro-plating Co.	idle	7	10	60
1419	22	Grassboro Bros.	running	73	10	60
1420	22	Valley City Milling Co.	idle	12	10	60
1421	22	E. A. Madison	running	12	10	60
1422	22	Al. Davidson	idle	13	10	60
1423	22	Barker & Gay Furniture Co.	running	35	10	60
1424	22	W. S. Meloy & Co.	idle	7	10	60
1425	22	E. N. Stanley & Co.	running	14	10	60
1426	22	Order Work Furniture Co.	idle	19	10	60
1427	22	R. B. Chapman	running	45	10	60
1428	22	Z. E. Allison	idle	6	10	60
1429	22	Paul Effort	running	90	10	60
1430	22	Butterworth & Lowe	idle	310	10	60
1431	22	Bissell Carpet Sweeper Co.	running	71	10	60
1432	22	New England Furniture Co.	idle	16	10	60
1433	22	G. R. Blomquist and Dust Arrester Co.	running	25	10	60
1434	22	F. Letellier & Co.	idle	50	10	60
1435	22	Sintz Gas Engines Co.	running	6	10	60
1436	22	M. E. Christensen	idle	28	10	60
1437	22	Palme Bedding Co.	running	6	10	60
1438	22		idle	28	10	60

* Permission for short dinner hour given by inspector.

FACTORY INSPECTION.

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
1288	1888	Grand Rapids Vapor Stove Co.	Grand Rapids	Vapor stoves.	running	50	—	—	4	—	10	50
1289	Sept. 28	Royal Furniture Co.	"	Furniture.	idle	9	—	—	—	—	10	60
1291	" 28	James A. Anderson & Co.	"	Carrings.	running	10	—	—	—	—	10	60
1292	" 28	Grand Rapids Wood Carving Co.	"	Wood carving.	"	80	—	—	1	—	10	50
1296	" 28	Grand Rapids Piano Case Co.	"	Piano cases.	"	—	—	—	—	—	10	50
1294	" 28	Andrews, Brown & Co.	"	Baskets, etc.	idle	350	—	—	—	—	10	50
1295	" 28	Oriel Cabinet Co.	"	Fancy furniture.	running	100	—	—	1	—	10	40
1296	" 28	Michigan Cabinet Co.	"	Folding furniture.	idle	175	—	—	38	—	10	40
1297	" 28	Wardell Manufacturing Co.	"	Wood ornaments.	running	15	—	yes	—	—	10	40
1298	" 28	Wardell Manufacturing Co.	"	Wood ornaments.	running	15	—	—	—	—	10	40
1300	" 30	Michigan Barrel Co.	"	Bent and rim work.	"	11	—	—	—	—	10	50
1301	" 30	Ryan Rattan Chair Co.	"	Rattan chairs.	"	19	—	—	—	—	10	50
1302	" 30	Dale & Brethour	"	Dressed lumber.	"	10	—	—	—	—	10	50
1303	" 30	H. Schneider & Co.	"	Excelsior	"	17	—	—	—	—	10	50
1304	" 30	Robbet & Himes	"	Boilers	"	17	—	—	—	—	10	40
1305	" 30	John E. Kennan & Co.	"	Cigars.	"	44	—	—	1	—	10	40
1306	Oct. 2	E. B. Dikeman	"	Cigars.	"	80	—	—	—	—	10	50
1307	" 2	I. L. Quimby	"	Organ lumber, etc.	"	8	—	—	—	—	10	50
1308	" 2	Grand Rapids Chair Co.	"	Fancy furniture.	"	180	—	—	—	—	10	50
1309	" 2	A. Grell	"	Beer kegs.	idle	—	—	—	—	—	10	50
1310	" 2	Rogers Chemical Works.	"	Oils and ammonias.	running	85	—	—	—	—	10	45
1311	" 2	Gunn Folding Bed Co.	"	Folding beds.	idle	—	—	—	—	—	10	50
1312	" 2	Royston Straw Works Co.	"	Straw and felt hats.	running	250	—	—	4	—	10	50
1313	" 2	Fuller & Rice Lumber Co.	"	Dressed lumber, etc.	running	20	—	—	—	—	10	50
1314	" 2	Harrison Wagon Co.	"	Farm wagons.	"	138	—	—	—	—	10	50
1315	" 2	Kent Furniture Co.	"	Furniture.	idle	20	—	yes	—	—	10	50
1316	" 2	Grand Rapids Carved Molding Co.	"	Carved molding.	idle	138	—	—	—	—	10	50
1317	" 2	Wayne Com. Photo Co.	"	Photographs of furniture.	running	138	—	—	—	—	10	50
1318	" 4	Grand Rapids Saeer Works	"	Ceasers and pannels.	running	138	—	—	—	—	10	50
1319	" 4	Hanser School Furniture Co.	"	School furniture.	"	7	—	—	—	—	10	45
1320	" 4	Alex. Frazee	"	Wash machinery.	"	20	—	—	—	—	10	45
1321	" 4	C. O. & A. D. Porter	"	Wood working machinery.	"	130	—	—	—	—	10	50
1322	" 4	Parkins & Co.	"	Shingle mill machinery.	"	73	—	—	—	—	10	50
1323	" 5	Forz Machinery Co.	"	Machinery, etc.	running	14	—	—	—	—	10	50
1324	" 5	Balmup Wagon and Sleigh Co.	"	Wagons, sleighs, etc.	"	14	—	—	—	—	10	50
1325	" 5	Remple & Callinover	"	Lawn furniture.	"	20	—	—	—	—	10	50
1326	" 5	Richmond Mfg. Co.	"	Folding beds, etc.	"	—	—	—	—	—	10	50

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1326	Gleaser & Fritz	Wagons, sleighs, etc.	"	12	27	1	1	10	50
1327	Valley City Rattan Chair Co.	Rattan chairs	"	28	2	1	1	10	50
1328	Widdcomb Furniture Co.	Bedroom furniture	"	650	3	3	3	10	50
1329	Widdcomb Mattie Co.	Matties	"	135	3	3	3	10	50
1330	Baldwin, Tutthill & Bolton	Sawmill and logging tools	"	13	13	13	13	10	60
1331	Z. V. Cheney	Lumber	idle	13	13	13	13	10	60
1332	J. W. Fox	Excelsior	running	13	24	1	1	10	60
1333	Grand Rapids Mattress Co.	Mattresses and Springs	"	450	4	5	5	10	60
1334	Grand Rapids School Furniture Co.	School furniture, etc.	"	6	13	13	13	10	60
1335	Jas. Jackobse	Woodworking, etc.	"	14	14	14	14	10	60
1336	Grand Rapids Boiler Works	Boilers and Smokestacks	"	53	4	4	4	10	50
1337	E. Tannowitz	Machinery	"	50	150	1	21	10	50
1338	Fowers & Walker Casket Co.	Caskets, robes, etc.	"	30	1	20	20	10	50
1339	Folding Chair and Table Co.	Tables and chairs	"	30	1	1	1	10	45
1340	Grand Rapids Brush Co.	Brushes	idle	13	3	1	1	10	60
1341	Grand Rapids Handicrew Co.	Handicrews, etc.	running	13	3	1	1	10	60
1342	Valley City Desk Co.	Desks	"	4	6	1	1	10	60
1343	H. B. Feather Co.	Bedding	idle	35	1	1	1	10	60
1344	C. B. Clark	Woodwork	running	40	5	5	5	10	60
1345	Harring & Atwood	Brass castings	"	35	1	1	1	10	60
1346	Grand Rapids Standard Bed Co.	Beds, etc.	idle	35	1	1	1	10	60
1347	Hottershead Mfg. Works	Stands, brackets, etc.	running	35	1	1	1	10	60
1348	Crescent Roller Mills	Flour	"	35	1	1	1	10	60
1349	Star Roller Mills	Spices, baking powder, etc.	"	35	1	1	1	10	60
1350	Wolverine Spices Co.	Grates and mantles	"	35	1	1	1	10	60
1351	Aldine Mfg. Co.	Furniture trimmings	"	35	1	1	1	10	60
1352	Grand Rapids Brass Co.	Sash, doors and blinds	"	35	1	1	1	10	60
1353	Ocker & Ford	Dressed lumber and boxes	"	35	1	1	1	10	60
1354	R. C. Miller	Set work for saw mills	"	35	1	1	1	10	60
1355	Friction Set Works	Scales of all kinds	"	35	1	1	1	10	60
1356	F. Hartman	Light castings	"	35	1	1	1	10	60
1357	J. H. Hartman	Staves, barrels, etc.	"	35	1	1	1	10	60
1358	Grand Rapids Stave Co.	Children wagons and sleighs	"	35	1	1	1	10	60
1359	Priesley Wagon and Sleigh Co.	Fine furniture	"	35	1	1	1	10	60
1360	Phoenix Furniture Co.	Asphalt paving	"	35	1	1	1	10	60
1361	Warren & Davis	Dining tables	"	35	1	1	1	10	60
1362	Stowe & Davis	Bicycles	"	35	1	1	1	10	60
1363	Grand Rapids Cycle Co.	Hosiery, etc.	"	35	1	1	1	10	60
1364	Star Knitting Co.	Fly paper	"	35	1	1	1	10	60
1365	O. W. Thum & Co.	Metal ornaments	"	35	1	1	1	10	60
1366	Metall Stamping Co.	Brooms	"	35	1	1	1	10	60
1367	Sloater Bros.	Fruit wagons and buggies	"	35	1	1	1	10	60
1368	Kneaster Wagon Co.	Wagons, sleighs and buggies	"	35	1	1	1	10	60
1369	Julius Kuchman	Wagons, sleighs, etc.	"	35	1	1	1	10	60
1370	Frebig Estate	Turning, carving, etc.	"	35	1	1	1	10	60
1371	Robert Wonnink	Spices and baking powder	"	35	1	1	1	10	60
1372	Teffer Spices Co.	Building stone	"	35	1	1	1	10	60
1373	A. Hirth & Son	Beans and seeds stored	"	35	1	1	1	10	60
1374	F. Lamereaux & Co.	Candles	"	35	1	1	1	10	60
1375	A. E. Brooks & Co.	Wheelbarrows	"	35	1	1	1	10	60
1376	Grand Rapids Wheelbarrow Co.	Agricultural implements	"	35	1	1	1	10	60
1377	Grand Rapids Mfg. Implement Co.	Pulled wool, etc.	"	35	1	1	1	10	60
1378	Kaifer & Fecht		"	35	1	1	1	10	60

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FACTORY INSPECTION.

TABLE No 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min- ors under 16 years employed.		No. hours labor required from millners.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
1379	1898	Wallin Leather Co.	Grand Rapids	Sole leather.	running	30	1				10	60
1380	Oct. 16	Wm. Pettit & Co.	"	Reed and rattan furniture, etc.	"	18	7				10	45
1381	" 16	Grand Rapids Furniture Co.	"	Furniture.	"	100	1		3		10	60
1382	" 16	Chas. Schmidt & Bros.	"	Marble and granite works.	"	12	9				10	60
1383	" 17	Model Laundry.	"	Clothing cleaned.	"	3					10	60
1384	" 17	Grand Rapids Leather Co.	"	Leather.	"	28					10	60
1385	" 18	City Laundry.	"	Laundrying.	"	4	4				10	60
1386	" 18	P. Weirich Brewing Co.	"	Lager beer.	"	6					10	60
1387	" 18	Millard Laundry.	"	Laundrying.	"	1	5				10	60
1388	" 18	" " Bottling Dept.	"	Lager beer.	"	44					10	60
1389	" 18	Excelsior Laundry.	"	Bottled beer.	"	8			3		10	60
1390	" 18	Michigan Chalk Co.	"	Laundrying.	"	2	14				10	60
1391	" 19	American Steam Laundry	"	Chalk.	"	4		yes	3		10	60
1392	" 19	Ball Bros.	"	Ornamental glass.	"	18	45				10	60
1393	" 19	Diamond Wall Finish Co.	"	Wall finish, etc.	"	8					10	60
1394	" 19	Grand Rapids Gypsum Works.	"	Land calcimine and plaster.	idle	12	3				10	50
1395	" 19	Grand Rapids Con. Brick Tiling Co.	"	"	"						10	40
1396	" 19	Widdicomb Furniture Co. Saw Mill.	"	"	"							
1397	" 19	Hays, Kirk & Maste	"	Brick and tile	running	150						
1398	" 20	Hansen & Duns	"	Lumber for furniture.	"	50					10	60
1400	" 21	J. R. Deunison & Co.	"	Cat stone.	"	30					11	50
1401	" 21	Brechtling Bros.	"	Brass castings.	"	3					9	60
1402	" 21	Kuppenheimer Bros.	"	Moldings, etc.	"	4					10	60
1403	" 22	Hirth, Kraus & Wilhelm	"	Heavy wagons and sleighs.	"	9					10	60
1404	" 22	Grand Rapids Cloth Casket Co.	"	Cigars.	"	4	1				8	60
1405	" 21	"	"	Shoe uppers.	"	2	2				10	60
1406	" 21	"	"	Cloth caskets.	"	3					10	60
1407	" 23	G. Zoltingberg	"	Fancy fur goods.	"	4	19				10	60
1408	" 23	Jas. McGregor	"	Cleaning and dyeing.	"	4					10	60
1409	" 23	A. S. Davis	"	Cigars.	"	10	3				8	60
1410	" 23	J. S. Stewart	"	"	"	3	1				8	60
1411	" 23	G. J. Johnson	"	Soft drinks, etc.	"	10					8	60
1412	" 23	Finley Brewing Co.	"	Family medicines.	"	11					8	60
1413	" 23	G. G. Steekes	"	Diamond wall plaster.	idle	3	2				9	60
1414	" 23	Michigan Wall Finish Co.	"	Bottled beer.	running	10			1		10	60
1415	" 23	H. A. Britt	"	Moldings.	"	4					10	60
1416	" 23	Valley City Dowell Co.	"	"	"							

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1416	24	Maybee Bros.	Brooms	"	4					10	60
1417	24	H. Kortlander	Beer kegs and pork barrels	"	4					10	60
1418	24	A. Tusch	Cigars	"	4					8	60
1419	24	J. A. Benman	Dressed lumber	"	11					8	60
1420	24	Russell & Bellwood	Beveled and plain mirrors	"	3					10	60
1421	24	Grand Rapids Gas Co.	Carbonated drinks	"	3					10	60
1422	24	J. B. Folger & Sons	Dimension stock	"	9					10	60
1423	24	Roben & Wheeler	Furniture clamps	"	4					10	60
1424	24	Benedict Furniture Clamp Co.	Glue, etc.	idle running	40					10	60
1425	25	Grand Rapids Gas Co.	Printed matter	"	1					10	60
1426	25	Grand Rapids Gas Co.	Wire	"	4					10	60
1427	1	Valley City Wire works	Tinware	"	9					10	60
1428	1	Foster, Stevens & Co.	Harnessees and trucks	"	7					10	60
1429	1	A. Hanish	Cigars	"	4					8	60
1430	1	Albert Berger	Umbrellas, etc.	"	2					10	60
1431	1	J. P. Platte	Graining plates, etc.	"	4					10	60
1432	1	Grand Rapids Panel Co.	Pumps	"	4					10	60
1433	1	Lorenzo Day	Wagons and sleighs	"	2					10	60
1434	1	Scholl Wagon and Sleigh Co.	Custom carding	"	4					10	60
1435	1	S. G. Staddon	Printed matter	"	2					10	60
1436	1	C. A. Wickstrom	"	"	8					10	60
1437	1	West Side Printing House	Harnessees and carriage trimmings	"	3					10	60
1438	1	J. F. Croll	Buggy tops	idle running	8					10	60
1439	1	Valley City Top Factory	Harnessees, etc.	"	6					10	60
1440	1	Ed. Strandaase	Printed matter	"	12					10	60
1441	2	De Standaase	Carriages and sleighs	"	2					10	60
1442	2	John Cummings	Cutlery	"	8					10	60
1443	2	C. G. Baisch	Plumbing, etc.	"	5					10	60
1444	2	E. L. Schneider	Copper and sheet iron works	"	4					10	60
1445	2	C. A. Scheutler	Harnessees	"	8					10	60
1446	2	G. H. Wilmot	Printed matter	"	6					10	60
1447	2	W. Voss	Stencils, stamps, etc.	"	4					10	60
1448	3	Paul Hugerholtz	Printed matter	"	4					10	60
1449	3	David Forbes	Printed matter	"	5					10	60
1450	3	Vrijheids Banier	Printing and book work	"	3					10	60
1451	3	Reynolds Printing House	Printed matter	"	2					10	60
1452	3	W. G. Barnes & Co.	Dyeing and cleaning	"	1					10	60
1453	3	J. S. Farringer	Job printing	"	4					10	60
1454	3	W. W. Hurt	Printed matter	"	3					10	60
1455	3	Michigan Artisan	Bill posting	"	8					10	60
1456	3	Geo. M. Leonard	Clock cases	"	3					10	60
1457	3	Dryden, Amier & Rose (Clock Co.)	Laundry	"	5					10	45
1458	3	Troy Laundry	Job printing	"	3					10	60
1459	4	W. G. Clark	Carriages, etc.	"	8					10	60
1460	4	Chas. Dawson	Furnaces	"	25					10	60
1461	4	F. Shriver, Sr.	Monuments	"	5					10	60
1462	4	Alex. Mathewson	Cleaning clothes, etc.	"	3					10	60
1463	4	Reese & Co.	Carriages	"	3					10	60
1464	4	H. P. Grady	Patent medicines	"	3					10	60
1465	4	Magnetic Remedy Co.	Ladies' waists, etc.	"	5					10	60
1466	4	Mrs. E. Logan	Printed matter	"	3					10	60
1467	4	A. E. Winchester	"	"	3					10	60

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FACTORY INSPECTION.

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		No. of miles ore under 16 years employed.		No. miners required from mines.	No. miners allowed for dinner.
						Males.	Females.	Males.	Females.		
1468	1898	Chicago Laundry	Grand Rapids	Laundry	running						
1469	Nov. 4	Russell and Simmons	"	Carriages	"						
1470	6	Valley City Machine Works	"	Woodworking machinery	"						
1471	6	Michigan Brush Co.	"	Brushes	"						
1472	6	E. A. Hill	"	Clears	"						
1473	6	R. T. Smith	"	General repairing of wagons	"						
1474	6	G. E. Monument Co.	"	Monuments	"						
1475	6	Dykeman Grain and Fuel Co.	"	Flour and feed	"						
1476	6	B. W. Heath	"	Tinware	"						
1477	6	G. E. Stove Polish Co.	"	Stove polish	"						
1478	6	W. H. Gibson	"	Monuments	"						
1479	7	C. D. Sanford	"	Carriages	"						
1480	7	Radcliff & Holt	"	Furniture, etc.	"						
1481	7	Sprout & McQuinn	"	Plumbing, etc.	"						
1482	7	Miss Emma Evans	"	Clothing cleaned	"						
1483	7	David Moreau	"	Monuments	"						
1484	7	Frank Steelcase	"	Dyeing, etc.	"						
1485	7	H. A. Greenley & Co.	"	Carriage painters	"						
1486	8	E. M. Hall	"	Silver plating, etc.	"						
1487	8	J. D. Bonk	"	Feed, etc.	"						
1488	8	Wm. Cox	"	Files	"						
1489	8	Alden & Jackson	"	Tinware	"						
1490	8	Frank Edge & Co.	"	Saws	"						
1491	8	Valley City Novelty Co.	"	Pen holders	idle						
1492	8	Barnett & Richards	"	Plumbing, etc.	running						
1493	8	Jon. Rowland	"	Feed	"						
1494	8	Houseman, Donnelly & Jones	"	Tailors	"						
1495	8	F. W. Emmer	"	Wagon and buggy	"						
1496	8	J. H. Meyers	"	Harpesons, etc.	"						
1497	8	J. H. Dean	"	Novelties	"						
1498	8	Smith & Hicks	"	Wagon and carriage	"						
1499	9	John Young	"	Buggies and cutters	"						
1500	10	Youn Hardware Co.	"	Tinning for building	"						
1501	10	Yander Veen & Wittman	"	Tinware	"						
1502	11	Sprout Bottling Co.	"	Soft drinks	"						
1503	11	W. F. Bentley	"	Barrels	"						
1504	11	The Review	"	Society journal	"						

[illegible]

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TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Whole No. employed.		Children under 14 years.	No. of minors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
					Males.	Females.		Males.	Females.		
1586	Nov. 23	Moore & Carr	Lowell	Machine repairs	3					10	60
1587	" 23	Welch Folding Bed Co.	Sparta	Folding beds	123			2		10	60
1588	" 23	Sparta Milling Co.	"	Flour and feed	4					11	60
1589	" 23	Pierson & Hinman	"	Lumber, etc.							
1570	" 24	R. J. Side	Kent City	Boxes and shingles	11					10	60
1571	" 24	M. L. Whitney	"	Lumber, flour and feed						10	60
1572	" 24	Bolt & Chubbuck	"	Agriculture implements	175			4		10	60
1573	" 25	Converse Manufacturing Co.	Newaygo	Furniture	30					10	30
1574	" 25	Converse Mfg. Co., lumber and shingle dep.	"	Sash, doors, shingles, etc.						10	50
1575	" 25	Converse Mfg. Co., saw mill.	"	Lumber	5					10	60
1576	" 25	F. G. Mathew	"	Shingles	4					10	60
1577	" 25	Newaygo Milling Co.	"	Flour and feed							
1578	" 25	F. W. Squires	"	Lumber and shingles							
1579	" 25	John Brown	"	Lumber							
1580	" 27	Bailey Stave Co.	Grant	Staves and headings							
1581	" 29	A. Post and D. P. Clay	Bailey	Lumber and shingles	6					10	60
1582	" 29	Armitage & Bunker	"	Flour, feed and lumber	7					10	60
1583	" 27	R. P. Hanna	Casnovia	Pumps and boxes	14					10	60
1584	" 28	John McGoslen	"	Inside finish							
1585	" 28	Henry Brower	"	Lumber							
1586	" 28	Middleville Manufacturing Co.	Middleville	Brass work	6						
1587	" 28	F. D. French & Son	"	Flour and feed	63	28				10	60
1588	" 28	Hastings Wool Boot Co.	Hastings	Wool boots	65					10	45
1589	" 29	Hastings Chair & Table Co.	"	Tables	130	1				10	50
1590	" 29	Hastings Furniture Manufacturing Co.	"	Bedroom suits						10	60
1591	" 29	Bentley Bros. & Wilkins	"	Lumber	25					10	60
1592	" 29	Bentley, Tomlinson & Rider	"	Sash, doors and blinds	40	15				10	60
1593	" 29	Michigan Whip Co.	"	Whips, doors and halters							
1594	" 29	Hastings Engine and Iron Works	"	Machinery repairing	4					8	60
1595	" 29	Geo. H. Millard	"	Printed matter	3	3				10	60
1596	" 29	Hastings Journal	"	Lumber							
1597	" 29	James Wilkins	"	"							
1598	Dec. 1	H. J. & J. F. Tibbels	Ravenna	"							
1599	" 1	A. E. Kline	Sullivan	"							
1600	" 1	A. L. Otties	"	"							
1601	" 1	Marvin Spencer	"	Shingles							
1602	" 2	Gypsum, Plaster & Stucco Co.	Grandville	Calcimine and land plaster							

1893	Loren Day	Jennison	Land plaster	running	40				10	50
1894	Jennison Manufacturing Co.	"	Railroad gates and supplies	idle						
1895	L. & L. Jennison	"	Lumber and wood	running	5				10	60
1896	Jennison Mills	"	Flour and feed	running	4				10	60
1897	Cool & Curtis	Freeport	Lumber, etc.	"	6				10	60
1898	W. Fox & Son	"	Lumber, moldings, etc.	idle						
1899	Job Chessabrough	"	Kates and handles	"						
1900	Wm. Laird	Woodbury	Lumber	"						
1901	Geo. Hay	"	"	"						
1902	L. O. Wilson	Sunfield	"	"						
1903	Edvin Williams	"	Staves and headings	"						
1904	P. P. Bergen	"	Barrels	running	8				10	60
1905	P. P. Bergen	"	Washing machines	running	8				10	60
1906	Plumb Mfg. Co.	Mulliken	Lumber	idle						
1907	Harris Jones	"	Chairs	running	30				10	60
1908	Grand Ledger Chair Co.	Grand Ledger	Inside finish	running	6				10	60
1909	Summers & Wareham	"	"	"	6				10	60
1910	West Bros	"	Sewer pipe, etc.	"	50				10	60
1911	Grand Ledger Sewer Pipe Co.	"	Rough leather	"	6				10	60
1912	J. S. Phelps	Coopersville	Mirrors	"	47				10	60
1913	American Mirror and Glass Beveling Co.	Grand Haven	Iron castings	idle	250				10	60
1914	Challenge Corn Planter Co.	"	Engines, etc.	running	5				10	50
1915	Dake Engine Co.	"	Woodware and cooperage	idle						
1916	Gillen and Campbell	"	Lumber	running						
1917	Silas Kilbourn and Co.	"	Furniture	idle						
1918	D. W. Bakker	"	Matches	"						
1919	Grand Haven Furniture Co.	"	Vessels of all kinds	running	40					45
1920	Globe Match Works	"	Engines and machinery	"	30				10	60
1921	G. H. Ship Building Co.	"	Wagons and sleighs	"	13				10	60
1922	Henry Bloeker and Co.	"	Lumber	idle						
1923	Brice, Barnes & Green	"	Printed matter	running	2				10	60
1924	G. H. Courier Journal	"	Cigars	running	3				8	60
1925	C. Verberkmoes	"	Staves and heading	idle	4				8	60
1926	Chas. Seligman	"	Basket covers, inside finish	running	19				10	60
1927	Green & Bennett	Hudsonville	Lumber	idle						
1928	Chas. Dehn	"	Wagons, etc.	running	16				10	60
1929	Thomas Curry	"	Furniture	"	4				10	60
1930	De Pree & Elentbas	Zeeland	Excelsior	"	70				10	60
1931	Zeeland Furn. Mfg. Co.	"	Cigars	"	3				10	60
1932	Zeeland Excelsior Co.	"	Lumber	idle	9				10	60
1933	West Michigan Cigar Co.	"	Chamber suits	running	350				10	60
1934	De Young Bros.	"	Chamber suits	running	13				10	60
1935	Zeeland Brick Co.	"	Building material	"	20				10	60
1936	Ottawa Furniture Co.	Holland	General woodwork	idle						
1937	Holland Furniture Co.	"	Lumber, etc.	running	12				10	60
1938	West Michigan Furniture Co.	"	Straw wrapping paper	running						
1939	Slagh & Smith	"	Sash, blinds, etc.	running						
1940	Phoenix Planing Mill	"								
1941	Novelty Wood Works	"								
1942	Allegan Paper Co.	Allegan								
1943	Cook, Baker & Co.	"								

* Permission for short dinner hour given by inspector.

TABLE No. I.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.	Children under 14 years.	No. of min- ors under 16 years employed.	No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.	Males.	Females.	
1856	1883	Clark Bros.	Wayland.	Lumber and bee hives.	running	8				10
1857	Dec. 18	L. E. Walbrecht	"	Flour and feed.	"	4				10
1858	" 18	Ricks & Clark	"	Lumber, etc.	"	8				10
1859	" 18	Keynolds and Stewart.	Plainwell.	Building material.	"	10				10
1860	" 18	Michigan Paper Co.	"	Book paper.	"	40	20			10
1861	" 19	Merrill Milling Co.	"	Flour.	"	9				10
1862	" 19	Barnum & Riland	"	Machinery.	"	4				10
1863	" 19	Richard & Federlein.	Otsego.	Tables.	"	12				10
1864	" 19	Bardeen Paper Co.	Manistique.	Book paper.	"	287	100			10
1865	Sept. 15	Watson Mfg. Co.	"	Brush, doors and blinds.	"	32				10
1866	" 15	Weston Lumber Co.	"	Lumber.	"	70				10
1867	" 15	White Marble Lime Co.	"	Lath, staves, etc.	"	31				10
1868	" 15	"	"	Lumber.	"	25				10
1869	" 15	"	Mile H'd Spur	Lime.	"	25				10
1870	" 18	Chicago Lumber Co.	Manistique.	Lumber.	"	100				10
1871	" 18	Weston Lumber Co.	"	Lumber and lath.	"	17				10
1872	" 18	Davis & Holcomb Co.	Gladstone.	Lumber, shingles, etc.	"	18				10
1873	" 19	New York Lumber Co.	Masonville.	Shingles.	"	35				10
1874	" 19	Garth & Gray Co.	Harold River.	Lumber, shingles, etc.	"	60				10
1875	" 19	Garth Lumber Co.	Garth.	Lumber and lath.	"	60				10
1876	" 20	Davis & Mason.	Masonville.	Lumber, lath, etc.	"	42				10
1877	" 20	L. Stephenson & Co.	Wells.	Lumber and lath.	"	39				10
1878	" 20	"	"	Lumber and lath.	"	84				10
1879	" 21	Ford River Lumber Co.	Ford River.	Lumber and lath.	"	53				10
1880	" 21	"	"	Folding beds.	"	55				10
1881	" 21	"	"	Order shingles, ties and posts.	"	40				10
1882	" 21	Chicago Furniture and Lumber Co.	Escanaba.	Shah, doors and blinds.	"	13				10
1883	" 22	Negunnes Sash and Door Co.	Negunnes.	Lumber, etc.	"	50				10
1884	" 23	M. M. Morley	Hancock.	Lumber, etc.	"	20				10
1885	" 25	Geo. Gregory Sash, Door and Blind Fact.	Lake Linden.	Lumber, lath, etc.	"	65				10
1886	" 25	Geo. Gregory Lumber Mill	"	Lumber, lath, etc.	"	6				10
1887	" 25	Armstrong & Tillman	"	sash, etc.	"	6				10
1888	" 25	Dollar Bay Land and Improvement Co.	S. L'ke Lind'n	lath, etc.	"	50				10
1889	" 26	L'Anse Lumber Co.	Dollar Bay	"	"	80				10
1890	" 26	Estate of Thomas Neater	L'Anse	"	"	100				10
1891	" 26	Fonke & Co.	Beraga	"	"	50				10
1892	" 27	Dead River Mill Co.	Dead River	and lath	"	75				10

1691	27	Geo. L. Bartle	Marquette.	"	"	"	70	8	10	60
1694	28	F. W. Lambrock	Harvey.	"	"	"	17	4	10	60
1695	28	S. Biles & Sons	Marquette.	"	"	"	15	"	10	60
1696	28	Hager & Sons	Marquette.	"	"	"	24	"	10	60
1697	30	Hager & Millison Mfg. Co.	Sault St. M ^{re}	"	"	idle	"	"	"	"
1698	Oct. 2	Sault Lumber Co.	"	"	"	running	12	2	10	60
1699	3	J. B. Seward Lumber Co.	"	"	"	"	25	"	10	60
1700	4	A. B. Seward Lumber Co.	"	"	"	"	65	"	10	60
1701	5	A. B. Seward Lumber Co.	"	"	"	"	"	"	"	"
1702	7	John Torrance Lumber Co.	"	"	"	idle	85	"	10	60
1703	10	J. A. Torrance Lumber Co.	St. Ignace.	"	"	running	67	3	10	60
1704	12	John Torrance Lumber Co.	DeTour.	"	"	"	75	"	10	60
1705	16	Felton & Tidwell	Berber.	"	"	"	80	2	10	60
1706	17	Cosby & Proctor	Nebish.	"	"	"	48	1	10	60
1707	20	Hall & Munson	Bay Mills.	"	"	idle	"	"	"	"
1708	20	Hall & Munson Mills.	"	"	"	"	"	"	"	"
1709	20	Niagara Paper Co.	"	"	"	"	"	"	"	"
1710	20	Hall & Munson	"	"	"	running	45	2	11	60
1711	21	"	"	"	"	"	45	"	11	60
1712	"	"	"	"	"	"	30	6	11	60
Sept. 12	23	St. Joseph Iron Works	St. Joseph.	"	"	"	6	"	10	60
236	12	Ballenger Manufacturing Co.	"	"	"	"	12	"	10	60
237	12	Cooper, Wells & Co.	"	"	"	"	100	8	10	60
238	12	Wells, Higman & Co.	"	"	"	"	10	10	10	60
239	18	Boas Machine Works	"	"	"	"	125	"	10	60
240	18	Courtright Hydraulic Machine Co.	Bent'n Harb'r	"	"	"	28	"	10	60
241	13	Alden Canning Co.	"	"	"	"	15	40	10	60
242	13	Werkenen Furniture Co.	"	"	"	"	70	"	10	60
243	13	Spencer, Barnes & Stewart	"	"	"	"	125	1	10	60
244	13	Squire, Dingee, Co.	"	"	"	"	15	"	10	60
245	13	C. H. Godfrey	"	"	"	"	20	40	10	60
246	13	Colby Hinkley Co.	"	"	"	"	90	14	10	60
247	13	Marrell Stevens	Niles.	"	"	idle	20	"	10	60
248	13	Earl Storms Co.	"	"	"	running	104	36	10	60
249	14	Skalla Furniture Co.	"	"	"	"	150	15	10	60
250	14	Michigan Wood Pulp Co.	"	"	"	"	16	"	10	60
251	14	Ohio Paper Co.	"	"	"	"	15	"	10	60
252	14	Niles Milling Co.	"	"	"	"	15	"	10	60
253	14	Niles Furniture Co.	"	"	"	idle	15	"	10	60
254	14	S. & G. Lacy	"	"	"	running	9	2	10	60
255	14	Michigan Wire Shovel Co.	"	"	"	idle	8	"	10	60
256	14	Corset Factory	"	"	"	running	300	"	10	60
257	14	Krick Wagon Work	Dowagiac.	"	"	"	85	1	10	60
258	15	Round Oak Stove Works	St. Joseph.	"	"	"	5	"	10	60
259	12	Truscott Boat Manufacturing Co.	Dowagiac.	"	"	idle	25	"	10	60
260	15	Backwith & Lee	"	"	"	running	12	"	10	60
261	15	Dowagiac Manufacturing Co.	"	"	"	"	75	150	10	60
262	15	Dowagiac Chair Co.	"	"	"	"	25	10	10	60
263	15	Colby Milling Co.	"	"	"	"	41	"	10	60
264	15	Warren Featherbone Co.	Three Oaks.	"	"	"	16	"	10	60
265	16	Warren Featherbone Whip Co.	"	"	"	"	"	"	10	60
266	16	Rough Bros. Wagon Works	Buchanan	"	"	"	"	"	10	60
267	16	Kompass & Stoll	"	"	"	"	16	"	10	60

Permission for short dinner hour given by inspector.

3276	Rust, Eaton & Co.	Zillwaukee	Lumber and salt	running	105	yes	4	10	60
3277	Central Lumber Co.	Carrollton	" " salt	"	21	no	1	10	60
3278	C. I. Grant & Co.	"	" " salt	"	64	yes	6	10	60
3279	C. M. Bliss	Saginaw	" " store wood	"	143	no	1	10	60
3280	C. Merrill & Co.	"	" " and salt	idle	40	no			
3281	C. A. Anderson	"	" " wood	running	138	no		10	60
3282	C. A. Edley & Son	"	" " salt and boxes	"	86	no	1	10	60
3283	Michigan Lumber Co.	"	" " salt and boxes	"	183	no	3	10	60
3284	Gedhart & Estabrook	"	" " salt and boxes	"	130	no	2	10	60
3285	E. R. Ayres Salt and Lumber Co.	"	" " salt and boxes	"	140	no		10	60
3286	Briggs & Cooper	"	" " salt and boxes	"	40	no		10	60
3287	W. H. & Webber	"	" " salt and boxes	"	75	no	1	10	60
3288	W. H. Cambrey & Co.	"	" " salt and boxes	"	28	no		10	60
3289	Thos. Truitt & Co.	"	Barrel heading	idle	50	no	2	10	60
3290	Gyde & Wile	"	" " barrels	running	70	no	4	10	60
3291	Wm. Williams	"	Dresses and cloaks	"	25	no		10	60
3292	Wm. Williams	"	Iron works	"	7	no		10	60
3293	Rust Bros & Co.	"	Lumber and salt	"	120	no		10	60
3294	Michigan Lumber Co.	"	" " salt and boxes	"	167	no		10	60
3295	Michigan Lumber Co.	"	" " salt and boxes	"	30	no	2	10	60
3296	Michigan Lumber Co.	"	Furniture	"	20	no		10	45
3297	Michigan Lumber Co.	"	Rules and tapes	"	19	no	15	10	45
3298	Michigan Lumber Co.	"	" " salt and boxes	idle					
3299	Michigan Lumber Co.	"	" " salt and boxes	running	50	no		10	50
3300	Michigan Lumber Co.	"	" " salt and boxes	idle					
3301	Michigan Lumber Co.	"	" " salt and boxes	running	54	no		10	60
3302	Michigan Lumber Co.	"	" " salt and boxes	running	114	no	13	10	45
3303	Michigan Lumber Co.	"	" " salt and boxes	"	112	no	9	10	45
3304	Michigan Lumber Co.	"	" " salt and boxes	"	15	no	2	10	60
3305	Michigan Lumber Co.	"	" " salt and boxes	"	23	no	1	10	60
3306	Michigan Lumber Co.	"	" " salt and boxes	"	7	no		10	60
3307	Michigan Lumber Co.	"	" " salt and boxes	"	7	no		10	60
3308	Michigan Lumber Co.	"	" " salt and boxes	"	11	no		10	60
3309	Michigan Lumber Co.	"	" " salt and boxes	"	11	no		10	60
3310	Michigan Lumber Co.	"	" " salt and boxes	"	6	no		10	60
3311	Michigan Lumber Co.	"	" " salt and boxes	"	5	no		10	60
3312	Michigan Lumber Co.	"	" " salt and boxes	"	35	no	2	10	60
3313	Michigan Lumber Co.	"	" " salt and boxes	"	22	no		10	60
3314	Michigan Lumber Co.	"	" " salt and boxes	"	37	no		10	60
3315	Michigan Lumber Co.	"	" " salt and boxes	"	20	no	1	9	45
3316	Michigan Lumber Co.	"	" " salt and boxes	"	20	no	5	10	60
3317	Michigan Lumber Co.	"	" " salt and boxes	"	25	no		10	60
3318	Michigan Lumber Co.	"	" " salt and boxes	"	12	no		10	60
3319	Michigan Lumber Co.	"	" " salt and boxes	idle	10	no	2	10	60
3320	Michigan Lumber Co.	"	" " salt and boxes	running	8	no		10	60
3321	Michigan Lumber Co.	"	" " salt and boxes	"	123	no		10	60
3322	Michigan Lumber Co.	"	" " salt and boxes	"	4	no	6	10	60
3323	Michigan Lumber Co.	"	" " salt and boxes	"	4	no	8	10	60
3324	Michigan Lumber Co.	"	" " salt and boxes	"	4	no		10	60
3325	Michigan Lumber Co.	"	" " salt and boxes	"	14	no		10	60
3326	Michigan Lumber Co.	"	" " salt and boxes	"	151	no	46	10	60
3327	Michigan Lumber Co.	"	" " salt and boxes	"					
3328	Michigan Lumber Co.	"	" " salt and boxes	"					

* Permission for short dinner hour given by inspector.

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of minors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
2329	1893.	Allington & Curtis, Mfg. Co.	Saginaw, E. S.	Dust collectors.	running	90	1	20			10	80
2330	Nov. 17	McClellan File Co.	" "	Files	"	33	2	"			10	80
2331	" 18	Frank Pohlman & Co.	" W. S.	Cigars	"	8	1	"	1		8	80
2332	" 20	John Deibel, Jr.	" "	"	"	3	1	"			8	80
2333	" 20	Fuehr & Weiss	" "	"	"	13	1	"			8	80
2334	" 23	J. M. Roberts	" E. S.	"	"	13	1	"	2		8	80
2335	" 23	Joseph Marks	" "	"	"	2	1	"	2		8	80
2336	" 23	F. J. Merts	" "	"	"	2	1	"			8	80
2337	" 23	H. F. Zuehlke	" "	"	"	2	1	"			8	80
2338	" 23	R. Gottschalk	" "	"	"	1		"	1		8	80
2339	" 23	Wyckoff, Ewen & Co.	" "	Furniture	"	9		"			10	80
2340	" 23	Mrs. L. M. Byron & Mrs. Carpenter	" "	Cloaks and dresses.	"	56		"			10	80
2341	" 24	Britton & Barber Hoop Co.	" "	Hoops and boat oars.	"	56		"			10	80
2342	" 24	T. W. Carlisle & Co.	" "	Leather	"	8	2	"	1		10	80
2343	" 24	U. S. Graphite Co.	" "	Graphite	"	90		"	5		10	80
2344	" 25	Saginaw Mfg. Co.	" W. S.	Hammer, pulleys, etc.	"	8		"			10	80
2345	" 25	Wm. Cullen & Son.	" E. S.	Flour, feed, etc.	"	6		"			10	80
2346	" 25	Wolpert & Son	" "	Laundry	"	7	17	"	1		10	80
2347	" 25	Wittler's Laundry	" "	"	"	12	2	"			10	80
2348	" 27	Frank H. Erd	" "	Pianos	"	34	1	"			10	80
2349	" 27	Mitts & Merrill	" "	Machinery and tools	"	40	1	"			10	80
2350	" 28	A. F. Bartlett & Co.	" "	Machinery	"	40		"			10	80
2351	" 28	Bartlett Illuminating Co.	" "	Electricity	"	5		"			10	80
2352	" 28	J. Barrenboer	" "	Cigars	"	4		"			10	80
2353	" 28	H. Feige	" "	Furniture	"	1		"			10	80
2354	" 28	Gourier Herald Co.	" "	Printed matter	"	40		"			10	80
2355	" 29	Sveinung News Co.	" "	"	"	22	1	"			10	80
2356	" 29	Avery & Co.	" "	Seah, doors and blinds	"	31	5	"			10	80
2357	" 29	Seaman & Peters.	" "	Office desks	"	63		"	2		10	80
2358	Dec. 1	Feige Desk Co.	" "	Printed matter	"	15		"			10	80
2359	" 2	Saginaw Globe	" "	"	"	6		"			10	80
2360	" 2	C. P. M. Deibel	" "	Cigars	"	4		"	1		8	80
2361	" 6	C. P. M. Deibel	" W. S.	"	"	15		"			10	80
2362	" 11	National Brewing Co.	" E. S.	Beer, etc.	"	13		"			10	80
2363	" 11	Harque	" "	Electricity	"	9		"			10	80
2364	" 11	Saginaw Electric Light and Power Co.	" W. S.	"	"			"				

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1894	Date	Name	City	Description	Status	Value	Quantity	Unit	Total
2865	Jan. 16	E. Germain	Oakley	Dressed lumber, sash, etc.	"	153	1	10	45
2866	" 18	Brennan & Fitzpatrick	"	Lumber and flour	"	12		10	60
2867	" 18	Geo. W. Seckrider	"	Lumber	idle			10	
2868	" 18	S. Church	Cheesaning	Lumber and moldings	"				
2869	" 18	Stewart, Long & Co.	"	Staves and headings	"				
2870	" 18	V. L. Parsons	St. Charles	Staves, headings, etc.	"				
2871	" 18	Slagson & Willis	"	Hoops	"				
2872	" 19	Watson & Reynolds	Saginaw, E. S.	Books and stationery	running	3		10	60
2873	" 23	Lalton, Brown & Co.	Merrill	Lumber, staves and headings	"	45		10	60
2874	" 25	Swift Electric Light Co.	Saginaw, E. S.	Electricity	"	14		10	60
2875	" 29	R. M. Randall	"	Dressed lumber	"	12		10	60
2876	Feb. 14	August Eggert	"	Furniture	"	1		10	60
1893									
2800	Oct. 18	S. G. M. Gates	Bay City	Lumber	"	181		10	60
2801	" 18	C. B. Chatfield & Co.	"	Flour and feed	"	19		10	60
2802	" 18	F. E. Bradley	"	Lumber and salt	"	125		10	60
2803	" 24	Wm. Peter	"	"	"	105		10	60
2804	Nov. 2	N. B. Bradley & Son	"	" and salt	idle	87		10	60
2805	Oct. 24	Smalley & Woodworth	"	Beer	running	135		10	60
2806	Nov. 1	Bay City Brewing Co.	"	Lumber, lath and salt	"	135		10	60
2807	Nov. 2	South End Lumber and Salt Co.	"	" and salt	idle	50		10	60
2808	" 2	S. McLean & Co.	"	Machinery	running	55		10	60
2809	" 3	M. Garland	"	Lumber and lath	"	16		10	60
2810	" 10	R. Wildman	"	Boilers	"	25		10	60
2811	" 3	W. S. Constan & Co.	"	Shingles	"	75		10	60
2812	" 4	Baker & Co.	"	Lumber and lath	"	11		10	60
2813	" 8	Grow Bros.	"	Clothing	"	23		10	60
2814	" 9	Bay City Excelsior Co.	"	Excelsior	"	40		10	60
2815	" 10	McKinnon Manufacturing Co.	"	Boilers and machinery	idle	13		10	60
2816	" 10	Bay City Industrial Works	"	Machinery	running	275		10	60
2817	" 10	Smalley Bros. & Co.	"	Boilers, etc.	"	15		10	60
2818	" 10	National Boiler Works	"	Pails, tubs, etc.	"	18		10	60
2819	Dec. 4	Boisefield & Co.	"	Sash, doors, etc.	"	10		10	60
2820	" 4	G. H. Merrill & Co.	"	Box shooks	idle	10		10	60
2821	" 4	Geo. Maloune & Co.	"	Boxes and crating	running	35		10	60
2822	" 4	J. McKean	"	Dressed lumber, heading & oil's reals	"	38		10	60
2823	" 4	Edwin F. Ronsee	"	Boxes	idle	8		10	60
2824	" 4	Ray Manufacturing Co.	"	Machinery	running	27		10	60
2825	" 4	Michigan Box Co.	"	Boxes	idle	8		10	60
2826	" 4	Marine Iron Co.	"	Lumber, lath and salt	running	40		10	60
2827	" 4	E. J. Vance Box Co.	"	Machinery	"	40		10	60
2828	" 4	Bay City Iron Co.	"	Lumber, lath, etc.	idle				
2829	" 7	Rayce Lumber and Salt Co.	"	Shingles	"				
2830	" 7	J. R. Hall	"	Lumber and salt	"				
2831	" 7	W. H. Ronsee	"	"	"				
2832	" 7	McGraw Bros. & Co.	"	Crackers and biscuits	running	15		10	60
2833	" 9	Whitney & Pinn	"	Dresses, cloaks and carpets	"	21		10	60
2834	" 9	C. H. Hawley & Co.	"	Furniture	"	8		10	60
2835	" 9	See Bros. & See Furniture Mfg. Co.	"	"	"				

FACTORY INSPECTION

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Whole No. employed.		Children under 14 years.	No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
					Males.	Females.		Males.	Females.		
2588	1898	Romer, Lovell & Co.	Bay City	Dresses and millinery	25	1				9 1/2	60
2589	Dec. 9	Bay City Tribune	Bay City	Printed matter	31					10	60
2590	" 12	Miller Bros.	S. Bay City	Dressed lumber	14					10	60
2541	" 12	Seweille Bros. & Mangold	Bay City	Cigars	7			2		10	60
2542	" 12	Julius Wilhelm	"	Dressed lumber and boxes							60
2543	" 12	W. H. Nickless	"	Crosscut							60
2544	" 12	Walworth & Neville	"	Bicycles	5					10	60
2545	" 12	National Cycle Manufacturing Co.	"	Wooden water pipes							60
2546	" 13	Michigan Pipe Co.	"	Lumber, tan and oak							60
2547	" 13	Detroit Mill Co.	"								60
2548	" 13	Dolson, Chapin & Co.	"	Cigars	14	5		1		10	60
2549	Oct. 9	W. H. Bradley & Co., Cigar Factory	Greenville	Refrigerators							60
2550	" 10	Ranney Refrigerator Co.	"	Flour	12						60
2551	" 10	Middleton & Son, Flouring Mill	"	Flour	6						60
2552	" 10	F. N. Wright & Co., Plow Works	"	Flour	6						60
2553	" 10	Towle & Douglas, Planing Mill	"	Flooring and siding	108	1		3		10	60
2554	" 11	R. J. Tower & Co.	Howard City	Grate bars	24					10	60
2555	" 11	Skinner & Steenman	"	Slide boards						10	60
2556	" 11	H. Henkel	"	Lumber and shingles							60
2557	" 12	Lee Morgan	Amber	Stop ladders, etc.	12	3	300	2		10	60
2558	" 12	Cato Novelty Works	Lakeview	Staves and shingles	30					10	60
2559	" 12	A. McAfee Mfg. Co.	"	Lumber and shingles	3					10	60
2560	" 12	Macomber & Hale	"	Flour and feed	20					10	60
2561	" 13	Stanton Flouring Mill	Stanton	Lumber and shingles							60
2562	" 13	Jas. W. Willett	"	Agricultural implements							60
2563	" 13	Stanton Novelty Works	"	Silk thread	44	131		4	4	10	60
2564	" 18	C. H. Thompson	Belding	Silk thread	45	1		3		10	60
2565	" 18	Belding Bros. & Co.	"	Table refrigerators	30	2		2		10	60
2566	" 19	Hall Bros. & Co.	"	Baskets	46	100	3	2		10	60
2567	" 24	Belding Basket Works	"	Silk twist and thread	120					10	60
2568	" 24	Richardson Silk Works	"	Refrigerators	21	13	1			10	60
2569	" 24	Belding Mfg. Co.	"	Refrigerators	31					10	60
2570	" 25	Belding Rapids Box Factory	"	Paper boxes	24					10	60
2571	" 25	Muller & Co.	"	Caulks	7					10	60
2572	" 25	Belding Mfg. Co.	"	Lumber	24					10	60
2573	" 25	Belding Flouring Mill	"	Flour	13					10	60
2574	" 26	E. Roland Flouring Mill	"	Sash, doors and blinds							60
2575	" 26	Belding Novelty Works	"								60

2875	Nov.	Michigan Clothing Co.	Ionia	Pants, vests and coats.	"	13	85			10	60
2876	"	Ionia Furniture Co.	"	Bedroom suite.	"	100	1			10	60
2877	"	Capital Wagon Works	"	Wagons and sleighs.	"	50	3			10	60
2878	"	G. F. Fabbé	"	Cigars	idle	17					60
2879	"	W. H. Van der Heyden & Son	"	Brick and tile	running	15	5				60
2880	"	Ionia City Steam Laundry	"	Brush, doors and blinds.	"	4					60
2881	"	Anchor Flooring Mill	"	Laundry work	"	4					60
2882	"	G. W. Arnold & Son	"	Farming implements	"	5					60
2883	"	Deer Washing Machine Co.	"	Flour and feed	"	5					60
2884	"	Ionian Electric Co.	Muir	Electricity	idle	6					60
2885	"	DeWesey & Son	Ionia	Brush, doors and blinds.	running	6					60
2886	"	M. J. Schild & Co.	"	Read carts and carriages	idle	6					60
2887	"	H. L. Kingston	"	Cloaks and dresses	running	3	1				60
2888	"	Randall's Steam Laundry	"	Laundry work	"	2					60
2889	"	Portland Milling Co.	Portland	Flour	running	27					60
2890	"	E. J. Handfield	"	Tables	"	13					60
2891	"	Portland Mfg. Co.	"	Washing machines.	"	2					60
2892	"	Geo. Mahan	"	Coats, vests and pants.	"	2					60
2893	"	Wright & Campbell	"	Brush, doors, etc.	"	9					60
2894	"	Wm. M. Sollick	"	Lumber and feed	"	9					60
2895	"	E. W. McCoy	Ionia	Coats, vests and pants.	"	4	3			10	60
2896	"	M. E. Harden	"	Millinery	"	19	5			10	60
2897	"	D. L. & N. R. R. shops	"	Cars and repairing engines.	"	16	20			10	60
2898	"	Lion City Brewery	"	Beer	"	3				10	60
2899	"	"	"	Flour and feed	"	3				10	60
2900	"	Walton & Slowinski	"	Coats, vests and pants.	"	2				10	60
2901	"	Cain & Bousch	"	Millinery	"	9				10	60
2902	"	R. E. Kille	Lyons	Dresses and cloaks.	"	11				60	60
2903	"	Gracie Mills	"	Flour	"	4				60	60
2904	"	Beech Manufacturing Co.	"	Wind mills	"	4				60	60
2905	"	Louis Pottery Co.	Ionia	Flower pots, etc.	idle	4				60	60
2906	"	Wm. Mayfield, Flour Mill	"	Corn and feed	running	4				60	60
2907	"	Cain & Thibault	"	Corn and feed	idle					10	60
2908	"	Cain & Thibault, Flour Mill	"	Dresses and cloaks.	running	11	10			10	60
2909	"	J. A. Tickanan	"	Millinery goods	"	3				10	60
2910	"	M. W. L. Jackson	Balding	"	"	3				60	60
2911	"	Earl & Rempel	"	Coats, vests and pants.	"	2				60	60
2912	"	Derby Cigar Factory	"	Cigars	"	3				60	60
2913	"	W. H. Greenall, Seed Grower	"	Hand-picking beans.	"	2				60	60
2914	"	Balding Marble and Granite Works.	"	Monuments	"	4				60	60
2915	"	Reed & Holden	"	Millinery goods	"	4				10	60
2916	"	Sackett Sisters	"	"	"	3				10	60
2917	"	Mrs. Unger Millinery	"	"	"	2				10	60
2918	"	Saranac Manufacturing Co.	Saranac	Oars	"	10				10	60
2919	"	Roston Flour Mills	"	Flour and feed	"	4				60	60
2920	"	Peter Schmidt & Son	"	Wagons	"	4				60	60
2921	"	Hull & Son	"	Feed, cider, jelly	"	2				60	60
2922	"	W. W. Williams, Harness Shop	Ionia	Harness and collars	"	3				10	60
2923	"	Miss Mary Steilberger, Millinery	"	Millinery	"	3				10	60
2924	"	Marvin Ives, Cigar Factory	"	Cigars	"	3				10	60
2925	"	W. S. Bonk & Co.	"	Harness	"	4				60	60
2926	"	William Wing, Harness Shop	"	Harness and collar	"	4				60	60

FACTORY INSPECTION.

TABLE NO. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min- ors under 18 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
2628	Nov. 23	Ionla Gas Light and Coke	Ionla	Gas and coke	running	5		ou				
2629	Nov. 24	Webber & Williams, Saw Mill	Greenville	Lumber	idle							
2630	Dec. 27	Greenville Steam Laundry	Greenville	Laundry	running	2	1	no				60
2631	" 27	G. F. O. Wilson, Marble Works.	"	Monuments	"	4						
2632	" 27	Miss S. A. Wilbur	"	Millinery goods.	"		1					
2633	" 28	Eureka Mills	"	Flour and feed	"	3		"				
2634	" 28	Wright Roller Mills Co.	"	Flour	"	8		"				
2635	" 28	Greenville Electric Light Co.	"	Electricity	"	4		"				
2648	Oct. 21	Charlotte Manufacturing Co.	Charlotte	Furniture	"	37		"				
2649	" 21	Charlotte Manufacturing Co.	Muskegon	Lumber and lath	"	200		"				
2650	" 21	Cove & Cover	Charlotte	Sash, doors and blinds.	"	5		"				
2651	" 21	Bennett Manufacturing Co.	"	Furniture	"	37		"	1			
2652	" 24	Thayer Lumber Co.	Muskegon	Lumber and lath	"	35		"				
2653	" 24	Hackley & House	"	"	"	118		yes	6			
2654	" 24	Steward Harshorne Co.	"	Window shades, etc.	"	200						
2655	" 24	Muskegon Boiler Co.	"	Boilers	"	10						
2656	" 25	Lake Side Iron Co.	"	Machinery	"	10						
2657	" 25	Rodgers Manufacturing Co.	"	"	"	25						
2658	" 25	Heap Manufacturing Co.	"	Piano and organ stools	"	30						
2659	" 25	Wm. Jones	"	Lumber	"	22						
2660	" 25	Gray Shingle Co.	"	Shingles	"	12						
2661	" 25	Jas. Gaw & Campbell	N. Muskegon	Lumber	"	38						
2662	" 26	John Torrent & Co.	"	"	"	90						
2663	" 26	W. G. Watson & Co.	"	"	"	20						
2664	" 26	Hovey & Metracken	"	Planing mill and box factory	"	35						
2665	" 26	McGrath Lumber Co.	"	Lumber and lath	"	32						
2666	" 26	Hovey & Metracken Mill No. 2	"	"	"	80						
2667	" 26	Lake Side Manufacturing Co.	"	"	"	105						
2668	" 26	Chase Bros.	"	Pianos	idle							
2669	" 27	Scott & Vanderbush	"	Cigars	running	4						
2670	" 27	Richman Washing Machine Co.	Helgus	Washing machines	"	10						
2671	" 27	Henry Bros. Manufacturing Co.	"	Special wood work	"	90		yes	8			
2672	" 27	Albright Refrigerator Co.	"	Refrigerators	idle							
2673	" 27	Electric Alarm Co.	"	Electric alarms	running	5						
2674	" 27	Wilson Piano Co.	"	Pianos	idle							
	"	Shaw, Electric Crane Co.	"	Electric cranes	running	40						

3675	Nov.	Gray Bros. Manufacturing Co.	Muskegon	Bath tubs	..	16	..	8	60
3676	25	Muskegon Chemical Engine Co.	..	Chemical fire engines	..	13	..	8	60
3677	26	W. F. W. Hotel	..	Shed, doors, etc.	..	17	..	8	60
3678	28	W. D. Bell	..	Shingles	..	10	..	9	60
3679	28	C. & W. M. Machine Shops	..	Cars and machinery	..	14	..	9	60
3680	28	S. S. Watson Co.	..	Excelsior	..	8	..	10	60
3681	28	Bredin & Langeman	..	Siding and molding	..	8	..	9	60
3682	28	Cheesman & Kelly Manufacturing Co.	..	Shed and doors	..	12	..	10	60
3683	28	Langeland Manufacturing Co.	..	Shed and doors	..	23	..	9	60
3684	28	Muskegon Valley Furniture Co.	..	Furniture	..	100	6	10	30
3685	30	McCracken & Hovey Car Co.	..	Cars	idle	51	..	10	30
3686	30	Monroe Manufacturing Co.	..	Boxes and lumber	running	14	..	10	30
3687	30	Vergent Manufacturing Co.	..	Chairs	..	12	..	10	60
3688	30	U. S. Baking Co., Muskegon branch.	..	Pager beer	..	30	30	10	60
3689	30	Davis Iron Works	..	Machinery and trucks	idle	22	..	10	60
3690	31	P. Haven Saddlery and Hardware Co.	..	Harness	..	5	..	8	60
3691	31	Barcus Bros. Saw Factory	..	Saws	running	3	..	8	60
3692	31	Watson & Fink Cigar Manufacturing Co.	..	Iron and steel	..	10	6	10	60
3693	31	Muskegon Iron & Steel Works	..	Millinery goods	running	10	1	8	60
3694	31	Miss H. Kretzer	..	Cigars	..	8	..	8	60
3695	Nov.	Francis Jiroch	..	Engines and machinery	..	10	..	10	60
3696	1	E. M. Averill, Cigar Manufacturer	..	Lumber	..	8	..	8	60
3697	1	Montague Iron Works Co.	Montague	Shed, doors and blinds	idle	10	..	10	60
3698	1	Stables & Lovell, Saw Mill	Whitehall	Shingles	running	25	..	10	60
3699	1	C. E. & M. B. Corvill	..	Horse	idle	70	..	11	60
3700	1	Lindeman Mfg. Co.	..	Leather tanning	running	45	..	10	60
3701	1	Gate Pumping Works	..	Shingles Mill	..	24	..	11	60
3702	1	C. E. & M. B. Corvill	..	Staves	idle	3	..	10	60
3703	2	Nure Cedar Co.	Shelby	Lumber	..	12	..	10	60
3704	2	W. A. Harrison	..	Tables	..	118	..	10	60
3705	2	A. P. Butler	Hart	Furniture	..	30	..	10	60
3706	2	Swinsky Tool Co.	Pontwater	Shed, doors and blinds	..	9	..	10	60
3707	2	Peatland Redacted Co.	..	Machinery	..	16	..	10	60
3708	2	Sands & Maxwell Lumber Co.	Ludington	Planing mill	..	20	..	10	60
3709	2	Gleason & Southworth	..	Machinery	..	8	..	10	60
3710	2	Thedemann & Ungers	..	Lumber	..	12	..	10	60
3711	2	Ludington Boiler Works	..	Salt	idle	80	..	10	60
3712	2	Industrial Iron Works	..	Lumber	running	65	..	10	60
3713	2	Pere Marquette Lumber Co.	..	Lumber and salt	..	55	2	10	60
3714	2	O. N. Taylor	Buttersville	R. R. machinery	..	14	..	10	60
3715	2	Butters & Peters	..	Woodenware	..	85	10	10	60
3716	2	M. & O. R. shops	Ludington	Salt	..	22	..	10	60
3717	2	Ludington Woodenware Co.	..	Lumber	..	150	..	10	60
3718	2	Percy Salt Works, Block 1	..	Lumber and lath	..	98	..	10	60
3719	2	T. R. Lyons' Saw Mill No. 1	..	Lumber	..	..	..	10	60
3720	2	Danaber & Melendy Co.	..	Lumber	..	..	..	10	60
3721	2	..	..	..	..	..	..	10	60
3722	2	..	..	..	..	..	..	10	60
3723	2	..	..	..	..	..	..	10	60
3724	2	..	..	..	..	..	..	10	60
3725	2	..	..	..	..	..	..	10	60
3726	2	..	..	..	..	..	..	10	60
3727	2	..	..	..	..	..	..	10	60

Permission given for short dinner hour by inspector.

TABLE No. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.		Whole No. employed.		Children under 15 years.	No. of min- ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
							Males.	Females.		Males.	Females.		
2728	1893 Nov.	Percy Salt Works, Block 2	Ludington	Salt	running	100			no			10	60
2729		Mendelson Mfg. Co.	"	Pants	idle				no			10	60
2730		E. G. Whitacre Mfg. Co.	"	Manufacturing supplies	running	3		10				10	60
2731		Lubetaky Bros' Cigar Factory	"	Cigars	"	4			"			8	60
2732		N. Joseph Clear Factory	"	"	"	40			"			8	60
2733		Manistee Mfg. Co.	Manistee	Furniture	"	6			"			8	60
2734		J. Krister	"	Cigars	"	6			"	1		8	60
2735		E. J. B. Newcomb	"	Planing mill	"	4			"			8	60
2736		Jas. Broadhead	"	Saws	"	5			"			8	60
2737		J. C. Pomeroy Works Co.	"	Lumber and planing mill	"	6			"			8	60
2738		Manistee Iron Works Co.	"	Machinery	"	25			"			8	60
2739		L. Sands	"	Lumber	"	124			"			10	60
2740		"	"	Salt	"	29			"	4		10	60
2741		"	"	Shingles	"	61			"	6		10	60
2742		The Buckley & Douglas Lumber Co.	"	Lumber, lath and shingles	"	250			"	10		10	60
2743		Manistee Brewing Co.	"	Beer	"	6			"			10	60
2744	Dec.	Geo. H. Downing	Bay City	Cigars	running	20		2				8	60
2745		Bay City Times Co.	"	Printed matter	"	5		9				10	60
2746		Bay City Laundry	"	Laundry work	"	5		7				10	60
2747		L. H. Griffin, Laundry	"	"	"	54			"			10	60
2747½		Russell Bros.	Salzburgh	Dressed lumber and boxes	"				"			10	60
2748		Standard Hoop Co.	"	Hoops	idle	15		1				10	60
2749		Fitch Salt Co.	Middle (fr'd	Salt and chemicals	running								
2750		E. J. Hargrave & Son	"	Lumber and salt	idle								
2751		Thos. Hine	Salzburgh	Beer	"	8						10	60
2752		Kodh Bros.	"	"	running								
2753		Carpenter & Co.	West Bay City	Lumber and salt	idle								
2754		Jacob Knoblauch	"	Beer	running	12						10	60
2755		Handy Bros.	"	Dressed lumber and boxes	running	45				5		10	60
2756		Wilson Hoop Co.	"	Hoops	idle								
2757		James Davidson	"	Wooden vessels	running	450						10	60
2758		John Welch	"	Lumber and lath	idle								
2759		F. W. Wheeler & Co.	"	Vessels	running								
2760		Trumps Manufacturing Co.	"	Box shooks	idle	50						10	60
2761		Ross, Bradley & Co.	"	Lumber	running					8			
2762		Kern Manufacturing Co.	Salzburgh	" and salt	idle								

[illegible]

TABLE No. 1. CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.		No. of minors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.			Males.	Females.		
2845	1894 Jan. 11	Michigan Head Lining & Hoop Co.	Coleman.	Head linings, hoops and shingles	running	42	2			6		10	60
2846	" 11	Mich. Head Lining & Hoop Co. Hoop Mill	"	Hoops	idle								
2847	" 11	A. M. Burton	"	Lumber	"								
2848	" 11	Simons & McMorris	"	Staves and heading	"								
2849	" 11	St. Louis Hoop & Stave Co.	"	"	"								
2850	" 11	Day Curtis & Son	"	"	running	45				1		10	60
2851	" 11	G. O. Cooper	"	Heading	idle								
2852	" 11	Mason & Willis	"	Shingles	"								
2853	" 12	Gorham Bros. Co.	Mt. Pleasant.	Grape baskets	running	100						10	60
2854	" 12	Mt. Pleasant Manufacturing Works	"	Screen doors, etc.	idle								
2855	" 12	Rambler Supply Works	"	Inside finish, etc.	"								
2856	" 12	F. E. Prince & Co.	"	Hoops and trunk slats.	running	14						10	60
2857	" 12	Mt. Pleasant Lumber and Manfg. Co.	"	Lumber	idle								
2858	" 12	S. Shafer	"	Shingles	"								
2859	" 12	Harris & Co.	"	Flour and feed.	running	7						12	60
2860	" 12	John A. Wiley	"	Staves	idle								
2861	" 12	Horning & Root	"	Heading	running	15						10	60
2862	" 12	"	"	Lumber	idle								
2863	" 13	Shepherd Stave & Heading Co.	Shepherd	Staves and heading	"								
2864	" 13	A. W. Dodge, Clothespin Manfg. Co.	"	Clothes pins	"								
2865	" 13	J. N. Shephard	"	Lumber	"								
2866	" 13	Wright Milling Co.	"	Flour and feed	running	5						10	60
2867	" 13	Shepherd Planing Mills	"	Inside finish	idle								
2868	" 13	Faulstich & Co.	Alma	Lumber and shingles	running	15						10	60
2869	" 15	Punkner, Lanceshire & Co.	"	Sash, doors and blinds	idle								
2870	" 15	Alma Table Co.	"	Tables	"								
2871	" 15	Alma Roller Mills	"	Flour and feed	running	13						12	60
2872	" 15	St. Louis Hoop and Stave Co.	St. Louis	Hoops and staves	idle								
2873	" 15	Alma Roller Co., Coopersage	Alma	Barrels.	running	12						10	60
2874	" 15	H. W. Moore	"	Blankets and yarns	idle								
2875	" 15	J. M. Montigel & Co.	"	Flows and machinery	running	10						10	60
2876	" 15	Alma Excelsior Works	"	Excelsior	idle								
2877	" 15	Smith, Glasgow & Co.	St. Louis	Staves and heading	idle	55						10	60
2878	" 15	Star Wreathware Co.	"	Tubs and pulis	idle								
2879	" 15	H. Taber	"	Boxes	"								
2880	" 16	A. B. Gould	"	Lumber and shingles	running								
2881	" 16	St. Louis Milling Co.	"	Flour and feed	running	7						11	60

2884	16	St. Louis Independent.	"	"	Printed matter.	"	7	1	3	10	60
2885	16	Likin, Brown & Co.	Wheeler Sta'n	"	Staves and heading	"	43			10	60
2886	16	Gardner & Peterman	Breckenridge	"	"	"	43			10	60
2887	17	Itasca Butter Tub Co.	Itasca	"	Butter tubs	"	53			10	60
2888	17	Itasca Planing Mill	"	"	Dressed Lumber	"	8			10	60
2889	17	C. W. Althouse.	"	"	Staves and heading	"	75			10	60
2890	17	St. Johns Manufacturing Co.	North Star	"	Lumber	idle					
2891	17	O. Schmanehy	"	"	Staves and heading	"					
2892	1893	Otsego Chair Co.	Otsego.	"	Chairs	running	79	2	3	10	60
2893	20	Michigan Manufacturing Co.	"	"	Pants, overalls, etc.	"	11	45		10	60
2894	21	Oliver & Co.	Allegan	"	Furniture	"	38			10	60
2895	21	Allegan Journal.	"	"	Printed matter	"	5	3		10	60
2896	21	Allegan Wagon and Carriage Works	"	"	Wagons, buggies, etc.	idle					
2897	21	E. P. Arnold & Co.	"	"	Coiled hoops	"					
2898	21	Allegan Gazette	"	"	Printed matter	running	6	1		10	60
2899	22	Cappen & Bertsch Leather Co.	Holland.	"	Leather	idle	280			10	60
2900	22	C. L. King & Co.	"	"	Butter plates and baskets	running	40			10	45
2901	22	Cappen Bertsch Leather Co.	"	"	Sole leather	running	90			10	60
2902	22	J. & A. Van Putten	"	"	Butter tubs, staves, etc.	"	2	8		10	60
2903	22	West Michigan Steam Laundry	"	"	Laundry work	"	7			10	60
2904	22	Alfred Huntley	"	"	Machinery	idle					
2905	22	James Huntley	"	"	Building material	running	11	1	3	10	60
2906	22	DeGrandewet News Printing Co.	"	"	Printed matter	"	24			10	60
2907	22	Welsh DeRoo Milling Co.	"	"	Flour and feed	running	40			10	45
2908	22	Grand Haven Leather Co.	Grand Haven	"	Leather	idle	50			10	50
2909	23	Johnston Bros.	Ferryburg	"	Boilers and sheet iron work	running	5			10	60
2910	23	Cutler & Savage Lumber Co.	Spring Lake.	"	Building material	idle					
2911	23	Spring Lake Clinker Boat Co.	"	"	Row boats	running	10		1	10	60
2912	23	W. J. Champion	"	"	Market baskets, etc.	idle					
2913	23	Fremont Furniture Co.	White Cloud.	"	Building material	running	38			10	60
2914	23	D. Gerber & Son	Fremont	"	Furniture	idle					
2915	23	K. Mulder	"	"	Sole leather	running					
2916	23	Burns & Sons	"	"	Lumber, etc.	idle					
2917	23	Darling Milling Co.	"	"	Flour and feed	running	5			10	60
2918	23	Parhurst Bros.	Baldwin	"	Shingles	idle					
2919	23	Harvey Roller Mills	Harvey	"	Flour and feed	running	5			10	60
2920	23	J. S. Edwards	"	"	Lumber	idle	10			10	60
2921	23	Stout & Augewine	Evart	"	Shingles	running	11			10	60
2922	23	Champion Tool and Handle Co.	"	"	Wooden bowls, lumber, etc.	"	30			10	50
2923	23	C. E. Fenton	"	"	Lumbering tools	idle					
2924	23	Frank Dunsmuir	"	"	Staves and heading	running	5			10	60
2925	23	Edward Cox	"	"	Machinery	idle					
2926	23	R. Mape	"	"	Lumber	running					
2927	1894	Williams Save Co.	Farwell	"	Lumbering tools.	idle					
2928	9	Geo. W. Graham	"	"	Staves and heading	running	20			10	60
2929	9	J. Littlefield	"	"	Can't hook handles.	idle	5			10	60
2930	9	J. Gardner & Co.	"	"	Lumber and lath.	running	10			10	60
2931	9	M. F. Robinson	"	"	Shingles	idle					
2932	9	A. Rhodes	Clare	"	"	running					
2933	9	W. J. Archambault	"	"	Hardwood lumber	running	11			10	60
2934	10	Gorr & Arand	"	"	Lumber, etc.	idle					

TABLE NO. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min-ors under 16 years employed.		No. hours labor required from minors.	No. minutes allowed for dinner.
						Males.	Females.		Males.	Females.		
2935	1894.											
2936	Jan. 10	Clare Woodenware Co.	Clare	Tube and palls.	running	51	2	yes	4		10	60
2937	" 10	Mater Bros. & Co.	"	Furniture	idle							
2938	" 10	John Sezemith	"	Lumber	running							60
2939	" 10	R. Muscott	"	Chairs, rockers and handles.	running							
2938	1898.											
2938	Nov. 9	Nels. Johnson	Manistee	Machinery	"	6	15				8	80
2939	" 9	Canfield & Wheeler	"	Salt.	"	50					10	80
2940	" 9	"	"	Lumber	idle						10	80
2941	" 9	Union Boiler Shops.	"	Boilers	running	4					10	80
2942	" 9	"	Strospan	Lumber	idle						10	80
2943	" 9	"	"	Salt.	running	38			6	2	10	80
2944	" 10	M. A. Hopper	Filer City	Lumber	"	33			1	0	10	80
2945	" 10	White, Friant & Co.	"	Salt.	"	33			1	0	10	80
2946	" 10	Filer & Son	"	Lumber and shingles	idle	100					10	80
2947	" 10	"	Manistee	Lumber	running	60					10	80
2948	" 10	Babcock Lumber Co.	"	Salt.	idle						10	80
2949	" 10	State Lumber and Salt Block	"	Salt.	running						10	80
2950	" 10	J. O. Neesen	"	Lumber	idle						10	80
2951	" 10	"	"	Salt.	"						10	80
2952	" 10	"	"	Lumber and shingles	"						10	80
2953	" 10	R. G. Peters, Salt and Lumber Co.	"	Salt.	running	183		8	24		10	80
2954	" 11	"	"	Lumber, lath and shingles.	"	280					10	80
2955	" 11	Canfield Salt and Lumber Co.	Eastlake	Lumber, lath and shingles.	"	150					10	80
2956	" 11	"	"	Salt and lumber	"	40					10	80
2957	" 11	Europa Lumber Co.	Manistee	Lumber and lath.	"	40					10	80
2958	" 11	"	"	Salt.	"	9					10	80
2959	" 11	Manistee Lumber Co.	Eastlake.	Lumber and lath.	idle						10	80
2960	" 12	Canfield Salt and Lumber Co.	"	Salt.	"						10	80
2961	" 13	B. Maxton	Manistee	Planed lumber	running	2					10	80
2962	" 13	Hagen & Co.	"	Planing mill	"	2					10	80
2963	" 14	"	"	Planing mill	"	13					10	80
2964	" 14	Chapman & Co.	Copemish.	Planing mill	"	13					10	80
2965	" 14	Chapman & Hargent	"	Planing mill	"	4					10	80
2966	" 14	Frank Nichols	"	Planing mill	"	3					10	80
2967	" 14	A. G. Butler	Frankfort	Planed lumber.	"	40					10	80
2968	" 14	H. Hill	"	Lumber	"						10	80
2969	" 14	"	"	Shingles	idle						10	80
2970	" 14	F. B. Martham	"	Machinery	"						10	80

3030	14	Bellevue Bros.	"	Lumber	running	55	10	10
3031	14	Crane Lumber Co.	"	Planed lumber	idle	10	10	10
3032	14	Crane Manufacturing Co.	Lake, Ann	Staves and heading	running	10	10	10
3033	15	Wm. Harber	"	Lumber	idle	10	10	10
3034	15	"	Empire	Shingles	"	10	10	10
3035	15	The Empire Lumber Co.	"	Lumber	"	10	10	10
3036	15	Empire Lumber Co.	"	"	"	10	10	10
3037	16	Grieffelt Bros.	Suttons Bay	"	"	10	10	10
3038	16	Geo. Stearns, Jr.	"	"	"	10	10	10
3039	17	Traverse City Lumber Co.	Traverse City	"	"	10	10	10
3040	17	C. S. Davis	"	Shingles	running	4	10	10
3041	17	J. E. Grifflack & Co.	"	Cigars	"	40	10	10
3042	17	"	"	Sash, doors and blinds	"	10	10	10
3043	17	Wells, Higman & Co.	"	Planed lumber	"	150	10	10
3044	17	The Oval Wood Dish Co.	"	Baskets	"	175	50	10
3045	18	Wm. Heitner	"	Woodsen dishes	"	35	10	10
3046	18	White & Co.	"	Cham stock lumber	"	160	10	10
3047	1	Antrim Iron Co.	Boysie City	Lumber	idle	40	10	10
3048	1	Manelons Hand Co.	Manelons	Handles	running	40	10	10
3049	1	Backers Stave Co.	"	Staves and heading	"	40	10	10
3050	2	Manelons Mfg. Co.	"	Shingles and dressed lumber	"	8	10	10
3051	2	Freeman Mfg. Co.	Kalkaska	Wooden ware	"	45	10	10
3052	2	Soper & Carey	"	Lumber	"	21	10	10
3053	2	Frank Smith	"	Shingles	"	12	10	10
3054	2	Smith Lumber Co.	"	Lumber	idle	26	10	10
3055	2	Cadillac Stave and Heading Co.	Cadillac	Staves and heading	running	15	10	10
3056	2	Cadillac Basket Factory	"	Handles	"	25	10	10
3057	2	Gumner & Diggins	"	Baskets	"	30	10	10
3058	2	Blodgett, Gumner & Diggins	"	Lumber	"	40	10	10
3059	4	Gumner & Diggins' Mill No. 2	"	Dressed lumber	idle	30	10	10
3060	4	K. A. Diggins	"	"	running	6	10	10
3061	4	Cobb & Mitchell	"	Dressed lumber	idle	40	10	10
3062	4	Haynes Bros.	"	Bowls	running	6	10	10
3063	4	Battie Horner	Reed City	Boxes	idle	10	10	10
3064	4	Wm. Horner	"	Dressed lumber	"	10	10	10
3065	4	T. H. Fawcok	"	Lumber and shingles	"	10	10	10
3066	4	Wenzel Bros.	"	Staves	"	10	10	10
3067	4	Lowell Mfg. Co.	"	Dressed lumber	running	7	10	10
3068	4	F. L. Welch	"	Woodsen goods	"	65	10	10
3069	4	Reed City Woolen Mills	"	Sash, doors and blinds	"	3	10	10
3070	11	Lansing Lumber Co.	Lansing	Carriages	"	5	10	10
3071	12	Clark & Co.	"	Laundry work	"	45	10	10
3072	12	Lansing Star Laundry	"	Vinagr	"	415	10	10
3073	12	Genesee Fruit Co.	"	Furniture	"	8	10	10
3074	12	Potter Mfg. Co.	"	Stoves and farm implements	"	15	10	10
3075	13	E. Bement & Sons	"	Pants and overalls	"	60	10	10
3076	13	Hudson Pants and Overall Co.	"	Cigars	"	5	10	10
3077	13	Jim Hammell	"	Dairy supplies	"	20	10	10
3078	13	Crystal Creamery Co.	"	Baggy wheels	"	15	10	10
3079	14	Michigan Wheel Co.	"	Wind millie and engines	"	15	10	10
3080	14	Lansing Iron and Engine Works	"	Machinery	"	15	10	10
3081	14	Mand S. Wind Mill and Pump Co.	"	Wind millie and pumpe	"	15	10	10

FACTORY INSPECTION.

TABLE No 1. CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	(toxic manufactured.	Running or idle.	Whole No. employed.	Children under 15 years.	No. of min- ors under 15 years employed.	No. hours labor required	No. minutes allowed for dinner.
						Males.	Females.	Males.	Females.	
3075	Dec. 14	Michigan Condensed Milk Co., Office	Lansing	Canned milk	running	40	40			10
3076	Dec. 14	Michigan Bell Telephone Co.,	"	Mittens and knit goods	"	15	8			10
3077	" 14	Michigan Knitting Co.,	"	Wheelbarrows	"	70	30			10
3078	" 15	Lansing Wheelbarrow Co.,	"	Staves and barrels	"	45				8
3079	" 15	Michigan Stave and barrel Co.,	"	Spokes	"	20				6
3080	" 15	Lansing Spoke Co.,	"	Dressed lumber	"	11				6
3081	" 15	Capital Lumber Co.,	"	Candy	"	13				8
3082	" 15	W. B. Stone	"	Machinery and engines	"	4				10
3083	" 15	Lansing Confectionery Co.,	"	Repair engines and iron works	"	23	4			10
3084	Nov. 13	P. F. Olds & Son,	Owosso	Carriages, buggies, etc.	"	30				10
3085	" 13	Owosso Iron and Engine works	"	Barrels, staves and heading	"	30				60
3086	" 14	Owosso Carriage Co.,	"	Crackers, etc.	"	30	1			60
3087	" 14	Owosso Coopers Co.,	"	Brick and tile	"	8				60
3088	" 15	Johnson Bakery Co.,	"	Engines, carriages, etc.	"	30				60
3089	" 15	Friesake Brothers	"	Laundry	"	50	4			60
3090	" 15	Estey Carriage Co.,	"		"	4	12			60
3091	" 16	City Steam Laundry	"		"	3	2			60
3092	" 17	Pearl Steam Laundry	"	Engines, threshers, etc.	"	30				60
3093	" 18	Castree & Shaw	"	Furniture	"	6				60
3094	" 20	Fox Furniture Co.,	Corunna	Flour and feed	"	30				60
3095	" 20	Corunna Milling Co.,	"	Cider, evaporated fruit	"	8	16			60
3096	" 21	A. F. Thomas	Owosso	Mattresses and spring beds	"	9	3			60
3097	" 22	Union Mattress Co.,	"	Hickory handles, yokes, etc.	"	20				60
3098	" 23	M. Wood & Co.,	"	Paper, books and job work	"	4	2			60
3100	" 24	Times Printing and Publishing Co.,	"	Extension tables	"	35	1			60
3101	" 25	Robbin's Table Co.,	"	Planing mill	"	7				60
3102	" 25	W. H. Mason & Son,	"	Butter, eggs and cheese	"	6				60
3103	" 27	F. Dudley	"	Flour	"	250				60
3104	" 29	Owosso City Mills	St. Johns	Tables	"	45	2			60
3105	" 30	St. Johns Manufacturing Co.,	"	Flour and feed	"	95	1			60
3106	" 30	Wood Bros.	Ovid	Carriages, buggies, etc.	"	13				60
3107	Dec. 1	Ovid Carriage Co.,	"	Screen doors and windows	"	7				60
3108	Jan. 16	A. J. Phelps & Co.,	Fenton	Waterworks machinery	"	9				60
3109	" 16	M. Walker	"	Drills, etc.	"					60
3111	" 16	The Ice Manufacturing Co.,	"	Flour and feed	"					60
3112	" 16	Fenton Mills	"		"					60

3118	17	C. V. Taylor	Pontiac	Carriages, buglies, etc.	45	1	no	10	60
3119	17	W. F. Stewart & Co.	"	Carriage bodies	45	"	"	10	60
3120	17	R. D. Scott & Co.	"	Carriages, etc.	27	1	"	10	60
3121	17	Pontiac Knitting Works Co.	"	Woolen knit goods	6	1	no	10	60
3122	17	Pontiac Gazette	"	Wooden paper and job printing	80	1	"	10	60
3123	17	Dawson Bros.	"	Aerial food	20	1	"	10	60
3124	17	Pontiac Sulley Co.	"	Pneumatic shingles	25	1	"	10	60
3125	17	Leungburg Barrel Works	"	Barrels	175	2	no	10	60
3126	17	Orosco Manufacturing Co.	"	Carriage doors and windows	140	15	"	10	60
3127	17	Orosco Casket Co.	"	Caskets	140	15	"	10	60
3128	17	Eatey Manufacturing Co.	"	Furniture	202	2	yes	10	60
3129	17	Woodard Furniture Works	"	Sash, blinds and doors	100	2	yes	10	60
3130	17	The Warren Cigar Factory	"	Cigars	100	2	yes	10	60
3131	17	Flint Cigar Co.	"	"	14	7	"	10	60
3132	17	Classen, Street & Co.	"	"	15	3	"	10	60
3133	17	W. A. Patterson	"	Carriages, etc.	100	10	"	10	60
3134	17	Webster Vehicle Co.	"	Wagons, buglies, etc.	30	2	"	10	60
3135	17	J. B. Armstrong Manufacturing Co.	"	Spring and gears	9	1	"	10	60
3136	17	M. E. Graham	"	Cigars	4	1	"	10	60
3137	17	C. Rippe	"	Engines and mill gearing	8	1	"	10	60
3138	17	Thomas Warren & Son	"	Vehicles and poles	70	2	"	10	60
3139	17	Flint Road Cart Co.	"	Carriages, etc.	60	"	"	10	60
3140	17	W. F. Stewart	"	Sash, doors, blinds, etc.	25	1	"	10	60
3141	17	Beardlee, Gillies & Co.	"	Wagons and buglies	100	1	"	10	60
3142	17	Flint Wagon Works	"	Clothes, blankets, etc.	25	35	"	10	60
3143	17	Oren Stone Mills	"	Clothing	10	50	"	10	60
3144	17	Oren Stone Manufacturing Co.	"	Condensed milk	40	"	"	10	60
3145	17	Michigan Condensed Milk Co.	"	Sanitary specialties and plumbers	16	"	"	10	60
3146	17	South Lyon Manufacturing Co.	"	Wood work	4	"	"	10	60
3147	17	J. M. Clark & Co.	"	Iron and wood machinery	7	"	"	10	60
3148	17	A. W. Wait	"	Sash, doors and blinds	12	"	"	10	60
3149	17	Fulghum Manufacturing Co.	"	Machinery	25	"	"	10	60
3150	17	Traverse City Iron Works	"	Carriages	12	"	"	10	60
3151	17	Wm. Jackson	"	Pig iron	3	"	"	10	60
3152	17	V. & A. Poterystyl	"	Chemical works	12	"	"	10	60
3153	17	Elk Rapids Iron Co. Furnace	"	Lumber	130	"	"	10	60
3154	17	"	"	Dressed lumber	27	"	"	10	60
3155	17	"	"	Wooden ware	24	"	"	10	60
3156	17	Richard & Bechtold	"	Shingles	8	"	"	10	60
3157	17	H. Richard	"	Lumber	18	"	"	10	60
3158	17	Geo. Bradford	"	Shingles	6	"	"	10	60
3159	17	Wm. Davenport	"	" and handles	20	"	"	10	60
3160	17	Camerson Lumber Co.	"	" and shingles	10	"	"	10	60
3161	17	East Jordan Lumber Co.	"	"	30	"	"	10	60
3162	17	South Ann Lumber Co.	"	"	40	"	"	10	60
3163	17	C. A. Barker	"	"	11	"	"	10	60
3164	17	East Jordan Lumber Co.	"	"	"	"	"	10	60
3165	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3166	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3167	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3168	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3169	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3170	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3171	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3172	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3173	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3174	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3175	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3176	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3177	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3178	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3179	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3180	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3181	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3182	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3183	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3184	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3185	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3186	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3187	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3188	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3189	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3190	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3191	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3192	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3193	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3194	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3195	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3196	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3197	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3198	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3199	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3200	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3201	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3202	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3203	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3204	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3205	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3206	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3207	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3208	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3209	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3210	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3211	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3212	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3213	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3214	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3215	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3216	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3217	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3218	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3219	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3220	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3221	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3222	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3223	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3224	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3225	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3226	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3227	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3228	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3229	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3230	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3231	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3232	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3233	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3234	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3235	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3236	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3237	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3238	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3239	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3240	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3241	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3242	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3243	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3244	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3245	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3246	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3247	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3248	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3249	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3250	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3251	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3252	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3253	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3254	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3255	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3256	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3257	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3258	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3259	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3260	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3261	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3262	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3263	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3264	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3265	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3266	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3267	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3268	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3269	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3270	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3271	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3272	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3273	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3274	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3275	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3276	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3277	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3278	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3279	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3280	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3281	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3282	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3283	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3284	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3285	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3286	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3287	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3288	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60
3289	17	Charlevoix Lumber Co.	"	"	"	"	"	10	60

FACTORY INSPECTION.

TABLE NO. 1.—CONTINUED.

Inspection No.	Date of inspection.	Name of establishment.	Location.	Goods manufactured.	Running or idle.	Whole No. employed.		Children under 14 years.	No. of min- ors under 16 years employed.		No. hours labor required from min- ors.	No. minutes allowed for dinner.
						Males.	Females.					
3306	Nov. 23	Enterprises Manufacturing Co.	Charlevoix	Dressed lumber	idle	18	10				10	60
3307	" 23	D. M. Perry & Co.	"	Sticks stored	running						10	60
3308	" 23	G. W. Wana	"	Woodenware	idle						10	60
3309	" 23	Burns & Francis	Petokey	Hoops and dressed lumber	running	7					10	60
3310	" 24	Wesley Hawley	"	Furniture	running	4					10	60
3311	" 24	Winnor Woodenware Co.	"	Woodenware	"	10					10	60
3312	" 24	Burgett Bros.	"	Chairs and woodenware	"	4					10	60
3313	" 24	W. P. McManus	"	Dressed lumber	"	3					10	60
3314	" 24	Blair & Co.	"	Lumber	"	3					10	60
3315	" 24	W. J. McManus	"	Maple flooring	"	3					10	60
3316	" 25	Fontana & Curtis	"	Woodenware	idle	28					10	60
3317	" 25	W. D. S. Fisher	Harbor Spr'gs	Lumber and dressed lumber	running						10	60
3318	" 25	A. G. Wilber	"	Leather	idle	10					10	60
3319	" 25	Thos. Kiesel	Keweenaw	Shingles	running	10					10	60
3320	" 25	W. W. Rice Leather Co.	Cheboygan	Machinery	idle						10	60
3321	" 25	Cheboygan Lumber Co.	"	Lumber	"						10	60
3322	" 25	Quay & Sons	"	"	"						10	60
3323	" 25	Thompson, Smith & Son	"	"	"						10	60
3324	" 25	" " " No. 2	"	"	"						10	60
3325	" 25	Pelton & Reed	"	"	"						10	60
3326	" 25	Swift Bros.	"	"	"						10	60
3327	" 25	Whitehall Lumber Co.	"	"	"						10	60
3328	" 25	Gulph Patent Casket Co.	Wolverine	Veneering	"						10	60
3329	" 25	P. E. Hackett	"	Lumber	"						10	60
3330	" 25	M. D. Olds	Vanderbilt	Staves and heading	"						10	60
3331	" 25	Humphrey Bros.	Gaylord	Lumber	running	5					10	60
3332	" 25	Gies, Teiges	"	" and hoops	idle						10	60
3333	" 25	V. L. Parsons & Co.	Elmira	Road carts	running	5					10	60
3334	Dec. 15	Anderson Road Cart Co.	Landing	Wagons	idle	59	6				10	60
3335	" 15	Lansing Wagon Works	"	Printed matter	running	70	2				10	60
3336	" 15	Robert Smith & Co.	"	"	"	15	5				10	60
3337	" 15	Thompson & Van Buren	"	Carriages	idle	30					10	60
3338	" 15	Rogers Mfg. Co.	Mason	Staves	"						10	60
3339	" 15	J. W. Bailey	Leellie	"	"						10	60
3340	" 19	A. J. Bailey	"	"	"						10	60

3439	3440	3441	3442	3443	3444	3445	3446	3447	3448	3449	3450	3451	3452	3453	3454	3455	3456	3457	3458	3459	3460	3461	3462	3463	3464	3465	3466	3467	3468	3469	3470	3471	3472	3473	3474	3475	3476
Magto Dye Works.	T. M. Bissell Plow Co.	Eaton Rapids Woolen Mills.	John Hall & Son	Leats Table Co.	H. B. Dickenson.	Curtis & Son.	Page Bros', Buggy Co.	Honik Furniture Co.	C. Tuttle & Son	Lapeer Handle Co.	Henry Howard	R. McCampbell	Michigan Sulphite Fiber Co.	Jacks Ship Building Co.	Frank Haynes & Co.	Cooley & Condit	Smith, Jacks & Co.	C. & G. T. Ry. Car Shops	Port Huron Engine and Thresher Works	Phenix Iron Works	Diamond Crystal Salt Co.	Thomas Bros', Salt Works	J. F. Wollen	C. Shelden	W. T. Smith	Adrian Furniture Mfg. Co.	M. A. Zimmerman	A. Starkweather	Sallott & Unittenden	Ashley Table Co.							
3	6	9	9	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	
running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running	running
2	10	9	6	6	6	20	40	5	8				16	65	10	7	8	4	150	75	50	80	12		7	40	50		12								
Dyes	Plows	Woolen yarn	Sash, doors and blinds.	Tab'es	Lumber	Furniture	Buggies	Furniture	Sash and blinds.	Handles	Lumber	Sash, doors and blinds.	Sulphite paper.	Boats.	Dressed lumber	Sash, doors and blinds	Dressed lumber	Cars	Engines and threshers	Machinery	Salt			Dressed lumber	Leather	Lumber and staves	Furniture	Handles	Lumber	Staves, hoops and heading	Tables						
10	60	10	60	10	60	10	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	10	60	

CHANGES ORDERED.

- No. 1.—Provide guard for belt on emery wheel, and post notices of the hours of labor required a day of minors under the age of eighteen years.
- No. 2. —Provide automatic doors for elevators; guard for grind-stone belt, and hand-rail for stairs.
December 20, 1893, inspector called on Mr. Weatherwax, and found the work ordered had not been done, but he promised to comply with the law.
- No. 3.—Place guards on planer belt, felloe-saw and boxing machine belts and keep the same in use at all times. Provide automatic doors for elevator openings on each floor.
Inspector called at factory December 22, 1893, and found all work satisfactorily done.
- No. 5.—Provide guards on planer belt; cut-off saw, shaper and tenon belts, and keep the same in use.
Inspector called December 22 and found the work nearly completed.
- No. 6.—Provide guard for boring machine belt, a hand-rail on stairs and automatic doors for elevator openings.
December 22, 1893, when Inspector called he found all changes had been made and man in charge of elevator.
- No. 7.—Place guards for boring machine belt and automatic elevator doors at elevator openings on all floors.
When Inspector called December 22 he found the work had not been done.
- No. 8.—This factory was shut down when inspected September 7. Ordered guard for belt on grindstone and trip hammer, also cog gearings on bending machine.
- No. 10.—Provide rubber matting for one pair of stairs and one fire escape.
December 20 found the matting had been placed on stairs and notified the agent of the building to put a fire-escape on south or north side of building.
- No. 11.—Post notices of the hours of labor required a day of minors under the age of eighteen years.

No. 12.—Ordered a hand-rail on stairs. December 20 found it had not been put up. The superintendent promised it should be done at once.

No. 13.—Provide guard on main belt.

No. 14.—Found children under fourteen years of age and ordered them home. New hand-rail for stairs, automatic doors for elevator, and a new floor on platform over line shafts.

December 20, found the work done, with exception of doors for elevator.

No. 15.—Ordered all doors unlocked during working hours and guard on main belt.

No. 16.—Provide hand-rail on stairs and guards on planer and cut-off saw belts.

No. 17.—Place guards on planer and matcher belts and keep the same in use at all times.

No. 18.—There were children under 14 years employed at this factory which were ordered home.

No. 19.—Place guards for several belts in the wood-working room.

No. 20.—Provide guards on planer, matcher and shaper belts. The proprietor promised to make all changes necessary when called on December 23.

No. 21.—Ordered cogs on lathe and drills guarded, also hand-rail for stairs.

No. 22.—Place guard on main belt, and ordered children home under fourteen years of age. December 21 found the work was satisfactorily done.

No. 23.—Ordered hand-rail for stairs, automatic doors and proper protection for elevator.

No. 24.—Provide new hand-rail for stairs and water-closet.

No. 26.—New hand-rail for stairs.

No. 27.—Guards were required for belts on planer and cut-off saw, and automatic gates at elevator openings on each floor.

No. 28.—Ordered a guard for belt on rip-saw. Found the change made December 21.

No. 29.—Provide saw-guards for cut-off saw, and place guards on rip-saw and planer belts.

No. 31.—There were no changes to be made, as the belts not guarded had no one working around them.

No. 32.—Ordered new hand-rails for stairs.

No. 33.—Place guard on sand belts, and hand-rails for stairs.

No. 34.—Post notices of the hours of labor required a day of minors under the age of 18 years; also one hand-rail for one pair of stairs, and discharge all children under 14 years of age.

- No. 35.—Place guard for belt on broom machines, an exhaust fan in threshing room.
- No. 36.—Provide guards for belts on two rattlers, and automatic doors for elevator.
January 2, 1894, found the belts guarded but elevator not protected;
they say they will make the changes.
- No. 38.—Ordered guard in front of band saw and belt on cut-off saw. January 2, 1894, band saw guarded as ordered.
- No. 39.—Guard belt on planer, which the proprietor promises later.
- No. 40.—Automatic doors and proper protection for elevator openings on each floor.
Provide guards in front of band saw; guards for cog gearing on four drills and belt on trip hammer.
- No. 41.—Hand-rail for stairs ordered.
- No. 43.—Exhaust fan required in polishing room, and guard on main belt.
- No. 44.—Place guards on planer and matcher belts and guard for cogs on planer.
Elevator required automatic doors and proper protection at elevator shafts on each floor.
Found the work had not been done January 3, but promised to do so at once.
- No. 45.—Ordered guards for band saw belt, and the front of band saw guarded.
The place was idle January 3, but the changes will be made before they start up again.
- No. 46.—Provide exhaust fans in sanding room, automatic doors and protection to elevator, guards for jointer, and rip saw belts were required.
January 3d, the shops were shut down, but all changes will be made before starting.
- No. 47.—Place guards on main belt, grindstone belt and cut off saw.
January 3d, work not done, but master mechanic promised to attend to the matter at once.
- No. 48.—Ordered new hand-rail for stairs.
- No. 50.—Provide automatic elevator doors at elevator openings on each floor occupied.
- No. 53.—A very good system of dust fans provided.
- No. 66.—There were eleven accidents reported at this packing house during the year.
- No. 76.—Change one door to swing out, and provide a good fire escape.
- No. 78.—One door changed to swing out. The fire escape system was poor; ordered three changes and one ladder put up.
- No. 79.—Two doors on first floor, do not swing out, but there are plenty other exits in the factory.

- No. 82.—There were two children under fourteen years of age employed here; an act of charity.
- No. 87.—Provide hand rails for stairs, and see that they are properly screened at sides and bottom. See that all doors leading to or from factory open outward. Not enough fire escapes; ordered one more and the others put in good condition.
- No. 88. All doors except one open outward, at this factory, and found one door locked, however there were three other exits.
- No. 92.—All doors open outward but one; three other exits.
- No. 99.— This factory in good condition, and a fine system of fire escapes.
- No. 100.—Change door on first floor to open outward.
- No. 103.—Ordered two doors to open outward at this factory. They have the best fire escapes yet seen by deputy inspector.
- No. 118.—Ordered proper protection for elevator.
- No. 119.—One door ordered to swing out.
- No. 121.—Provide one good fire escape.
- No. 126.—Provide two hand rails for stairs.
- No. 127.—One hand rail for stairs ordered.
- No. 133.—All doors swing out but office doors; ordered them changed.
- No. 134.—The law requires 45 minutes for dinner, but the inspector gave this firm special permission for short dinner hour.
- No. 141.—Elevator ordered repaired and properly protected.
- No. 144.—Ordered all doors in factory to open outward.
- No. 145.—Provide proper hand rails for stairs.
- No. 148.—This factory is supplied with slide doors which are practically safe.
- No. 149.—One fire escape ordered; necessary repairs made to stairs, and floor put in good condition.
- No. 153.—Proper hand rail for two set of stairs, and other changes necessary to properly protect them.
- No. 160.—Provide proper hand rails for stairs.
- No. 161.—Change doors to swing out.
- No. 166.—Proper hand rail for stairs ordered.
- No. 188.—Ordered locks changed on doors, and to be unlocked during working hours.

- No. 193.—Place new hand rail on stairs and see that they are properly screened at side and bottom.
- No. 197.—Provide a new hand rail for stairs and make necessary changes.
- No. 198.—Two new set of hand rails for stairs, and other changes; also ordered two saws guarded.
- No. 199.—One new hand rail ordered.
- No. 202.—Provide automatic doors in all floors where elevators are used and see that stairs are properly screened at side and bottom.
- No. 205.—Place new hand rails on stairs.
- No. 207.—New hand rails to be placed on stairs and necessary changes made.
- No. 209.—Ordered guard around main belt and two sets of hand rails; will make necessary changes.
- No. 216.—Provide exhaust fans on five emery wheels.
- No. 217.—Place automatic doors at elevator openings on each floor, and proper hand rail for stairs.
- No. 219.—One railing required and stairs properly screened at sides and bottom. Provide two set of hand rails.
- No. 222.—Proper protection around crank shaft.
- No. 232.—There were no fire escapes at these works; ordered them put up.
- No. 233.—Place proper protection around hatchway and repair stairs and hand-rail.
- No. 234.—The fire escapes here are not properly placed. Ordered them changed to better location.
- No. 236.—The inspection at this factory showed everything in good shape.
- No. 240.—Provide substantial hand-rails on all stairs and proper screens at bottom and sides.
- No. 244.—There were no fire escapes; Ordered one placed, and all doors to be unlocked during working hours.
- No. 245.—Remove all obstructions in way of fire escape and provide one more escape.
- No. 249.—Hand-rails on stairs repaired and all necessary changes made.
- No. 250.—Automatic doors for elevator opening on each floor, and proper protection. Hand-rails and screens on two sets of stairs, and provide two fire escapes.
- No. 251.—Proper hand-rails for stairs.
- No. 252.—Ordered one fire escape, and automatic doors at all elevator openings.

- No. 253.—Substantial hand-rails ordered for three set of stairs.
- No. 255.—Stairs properly screened at side and bottom, and hand rail for stairs put in good condition.
- No. 259.—All doors in factory to open outward and necessary repairs made to hand-rails.
- No. 264.—There were no fire escapes here. Ordered two put up and all doors to open outward.
- No. 265.—Provide suitable washrooms and closets and see that they are properly ventilated and in good condition.
- No. 266.—Office doors ordered to swing out; the fire escapes in this building are inside stairways at each end of building.
- No. 267.—All doors changed to swing outward.
- No. 268.—Place guards on all belts and gearing and protect all machinery.
- No. 270.—All doors leading to or in factory to open outward and to be unlocked during business hours.
- No. 272.—Ordered wash-rooms and closets put in good repair, properly ventilated and cleaned.
- No. 274.—Provide automatic doors at elevator openings on each floor; guard all gearing and machinery and put up two good fire escapes.
- No. 275. Proper safe-guards provided for all gearing and belting and two new fire escapes.
- No. 276. Place suitable and substantial hand-railing on stairs.
- No. 277.—Provide two set of hand-rails for stairs.
- No. 280. Only one fire escape in this building; ordered one more, and automatic doors at all elevator openings on each floor.
- No. 281.—Provide two fire escapes, one at each end of building and substantial hand railings for two stairways.
- No. 282. Remove obstructions from fire escape on two floors, and one new fire escape.
- No. 284. Automatic doors and proper protection to elevator on each floor, and all machinery carefully guarded. Fire escapes are good to second floor where they have a rope on south end of building. Only three men work here.
- No. 286.—Provide guards for two saws, and keep the same in use at all times.
- No. 288.—Place substantial hand-railing on stairs.
- No. 291. Provide a new closet and have proper ventilation.

- No. 292.—Place one new fire escape.
- No. 294.—Ordered one fire escape on third floor connecting third and fourth windows from east side.
- No. 296.—One fire escape with balcony ordered on rear of building at third floor, embracing three windows. Two ladders ordered in basement as means of escape; one in front and one in rear from first floor to basement.
- No. 299.—Ordered one fire escape on front of building embracing two windows from fourth floor down.
- No. 304.—Outside door ordered changed to swing out and fire escape moved to first and second window on east side.
- No. 309.—Fire escape on rear of building to be put in good repair.
- No. 310.—Provide substantial hand railing for stairs and screens for side and bottom.
- No. 319.—One door ordered changed to afford means of escape. Inside stairways provided.
- No. 323.—This firm occupy the second floor of a four story building. Ordered a fire escape on rear at southeast corner in alley.
- No. 324.—Provide proper hand railing for stairs and stair rail to be used on fourth floor. Fire escape system is good at this factory.
- No. 325.—This firm occupy third and fourth floors of four story building. Ordered fire escape from rear.
- No. 327.—Place substantial hand railing on stairs, two railings around top of stairs and proper screens at side and bottom.
- No. 343.—Provide hand railing for all stairs and railing around the top, also hand rails ordered for platform from "Extractor" to railroad track.
- No. 347.—One new hand rail ordered for stairs.
- No. 351.—Hand rails ordered on five stairs and one railing at top of second floor.
- No. 352.—Proper hand rail for second flight of stairs.
- No. 367.—One hand rail for stairs ordered on second floor and repairs to be made on fire escape. Two stairways in rear are provided, also, two outside fire escapes.
- No. 368.—There is one fire escape on west side, and will erect one on south of building.
- No. 369.—Provide one ladder for fire escape.
- No. 370.—Place one ladder for fire escape.
- No. 374.—Ordered door at main entrance to be made larger, and to swing out.

- No. 376.—Provide one fire escape on front of building embracing two windows at each floor.
- No. 377.—One fire escape ordered.
- No. 379.—Dirt, rubbish and all obstructions removed from first floor, so that it can be used in case of necessity at any time.
- No. 380.—Provide four sets of hand rails for stairs. Inside stairways are provided and used as fire escapes.
- No. 381.—Stairways at both front and rear of building are provided as fire escapes.
- No. 383.—One hand rail for stairs ordered from second to third floor.
- No. 384.—Place one new hand rail in basement. Stairways both front and rear on this building.
- No. 385.—Provide a substantial hand rail at east end of machinery shop.
- No. 386.—This building is first class. Four stories and basement show room.
- No. 388.—Place hand rails on two sets of stairs in oil house. Guards on belts and pulleys on five dynamos and stairway ordered in front part of building as means of escape.
- No. 390.—Proper hand rail for stairs on first floor. There is a stairway in front and outside escape on rear of building.
- No. 391.—Good fire escapes provided.
- No. 392.—Fire escape system good.
- No. 402.—Remove all obstructions from windows and stairways so that they can be used in case of emergency.
- No. 405.—Provide new hand rails for stairs and make necessary repairs.
- No. 410.—Three sets of hand rails for stairs and properly screened at sides and bottom.
- No. 411.—Place one set of hand rails on stairs.
- No. 412.—Proper hand rails ordered on one pair of stairs.
- No. 415.—New hand rails for stairs.
- No. 416.—Make necessary repairs to stairs, and place three new hand rails on same.
- No. 420.—All doors and windows in building leading to fire escapes must open outward.
- No. 421.—Two sets of hand rails for stairs.
- No. 423.—Ordered one fire escape put up, at this factory there were none.
- No. 426.—One fire escape ordered on this building.

No. 434.—All doors leading to or in factory to open outward.

No. 436.—Change one door to open outward.

No. 441.—This building has no fire escape, and ordered one put up.

No. 445.—Hand rails ordered for one pair of stairs.

No. 449.—There were no fire escapes; ordered one put up.

No. 455.—Proper hand rails on stairs.

No. 459.—This building has spread. Ordered two rods to brace it, and prevent further trouble.

No. 466.—Place one hand railing on third floor, and provide two hand rails for stairs.

No. 467.—Provide one new closet and put the old one in good repair. Found the rear walls of building in poor condition, and ordered them repaired.

No. 475. All obstructions to be removed from windows.

No. 477. Place two hand rails, and one new railing.

No. 482.—One ladder to roof scuttle ordered as means of fire escape.

No. 484.—Provide guard on fly-wheel and see that it is kept in use. Two hand rails required on stairs.

No. 488.—Stairway in center of the 3d story building. Ordered two fire escapes; one on Adams ave. in front of machine shop, and one on carriage shop on same ave. One hand rail and one railing ordered.

No. 494.—Place two hand rails on stairs.

No. 495.—Provide one new hand rail, and make necessary repairs.

No. 497.—One hand rail ordered for stairs.

No. 498.—Provide a hand rail on side of stairs and one railing at top.

No. 508.—Put up one substantial fire escape.

No. 509.—One fire escape to be put on front of building. No machinery.

No. 510.—Place railing, and one hand rail on stairs.

No. 516.—Ordered a substantial hand rail for stairs.

No. 589.—Provide guard on cut-off saw, and belts on trip hammer and planer properly guarded, automatic doors for elevator at openings on each floor, and proper protection.

No. 590.—Place guards on band saw and planer belt and see that the same is kept in use.

- No. 491.—Proper covering of guard for the line shaft. The foreman said it would be done.
- No. 583.—Guards should be provided on shaper, band saw and tenon saw. Case in counter shaft to shaper, and provide hand rail for stairs. Revisited factory January 19, 1894, found all changes satisfactorily made.
- No. 594.—Provide automatic doors for elevator in store room, and necessary protection. Guards required on planer belts.
The work was not done January 19, 1894, but they promised to make the changes at once.
- No. 595.—Main belt and planer need guards, also hand rail for stairs to engine room. Automatic doors at all openings for elevator on each floor.
The changes were not made by January 19, 1894, but said they would be.
- No. 596.—Provide guards on jointer and shaper, also on cut-off saw. They had not made the changes January 20.
- No. 598.—Ordered guard for band saw, and all machinery in building properly protected.
- No. 599.—Provide proper guard for cut-off saw.
- No. 600.—All belts and machinery to be properly protected, and guards on two cut-off saws.
- No. 601.—This factory was shut down, but promised to guard all belts and put in exhaust fans for carrying off dust before starting up.
- No. 602.—Safe guards for belts on planer and saws and keep the same in use.
- No. 604.—Place guards on all belts and machinery in mill.
- No. 605.—Provide proper guards on iron working machine and on belts of matcher and planer. Also guard large drill and cut-off saw.
The changes were not made January 22, 1894, but say they will be soon.
- No. 608.—Ordered belts on shaper and saw guarded and good system of exhaust fans for carrying off dust.
- No. 609.—All belts and gearing to be provided with proper safeguards, and two jointers and sticker guarded. Automatic doors to be placed at each elevator opening on each floor, and necessary changes made.
On January 20 the work was not done, but said it should be immediately.
- No. 610.—Place guards for belts on planer and matcher.
- No. 613.—Found children under 14 years of age, and ordered them home.
- No. 615.—Provide guard for belt on sticker, in front of band saw and on side of re-sawing machine. Place automatic doors for elevator at each opening and proper protection.
January 22, 1894, nothing had been done in way of guarding.

- No. 619.—Case in line shaft, and guard all belts and gearing in mill.
- No. 620. Post notices of the hours of labor required a day of minors under eighteen years of age. Provide automatic doors at each floor for elevator openings. Found changes made January 16, 1894.
- No. 623.—Provide proper guards on cut-off saw and planer.
- No. 624.—All machinery and gearing must be properly guarded.
- No. 625.—The room where the women sort rags had very bad ventilation. They had made no change January 16, 1894.
- No. 626.—Found one emery wheel in bad condition and several belts unguarded. January 16, 1894, the shops were shut down.
- No. 627.—Place guards on planer, long sticker and cut-off saw. The changes were made by January 17.
- No. 628.—Provide guards on saw, shaper and dove-tailing machiine. One pair of hand-rails for stairs, and elevator properly protected. Ordered one boy under 14 years of age home.
January 2, superintendent had orders from the firm to do the work.
- No. 629.—Found the main belt not properly guarded.
- No. 631.—Provide guards for belts on planer and sander. January 17, they put a man to work making all necessary changes.
- No. 632.—Found machinery for grindstones in very bad condition. Ordered changes.
- No. 633.—Ordered necessary changes made, to put elevator in good condition, also automatic doors at each opening.
The superintendent had brought the matter before the directors and permission given him to make all changes.
- No. 634.—Guard belts on planer and see that they are kept in use.
- No. 635.—Ordered guards on planer and sticker belts, but January 17, found the changes not made.
- No. 637.—One belt on molding machine not guarded.
- No. 638.—Guard for belt on printing press, hand rail for two pair of stairs and proper protection for elevator.
- No. 641.—Provide guards on planer and cut-off saw belts. On January 5, 1894, the work had not been done.
- No. 643.—Guards required for two band saws, and cogs on four drill presses. Provide guards on sander and jointer belts, room 7; planer and side elevator, room 2; tenon belt, room 6; iron shears room 9; main belt room 3½, and main drive to crusher, automatic doors for elevator to be placed at openings on each floor and proper protection given.
January 5, 1894, found elevators provided with automatic gates.

No. 644.—Place guards for cogs on drill punch, and provide automatic doors or gates for elevator.

On January 4, 1894, the work was not done but promised to make changes before they start up.

No. 645.—New hand rails for stairs and guard cogs on drill press. On January 6, 1894 found the work not done.

No. 646.—Guards for cog gearings on iron lathe and grindstone belt, and trip hammer properly protected.

No. 647.—Provide a set of hand rails for stairs. Found the work done as ordered January 8.

No. 648.—Automatic doors or gates provided for elevator at openings on each floor of buildings. Guards for two trip hammer belts and cogs on two drill presses.

January 6, 1894, found the shops shut down. The elevators had been provided with automatic gates and before starting the other changes will be made.

No. 650.—Place guard on main belt, provide hand rails for stairs and proper protection for elevator. Automatic gates put on elevator December 7, 1893.

No. 651.—Place guards on planer, rip saw and matcher belts. All changes made by December 7, 1893.

No. 652.—Post notices of the hours of labor required a day of minors under the age of eighteen. Provide new hand rails for stairs and automatic doors or gates at elevator openings on each floor.

No. 653.—Automatic doors and proper protection for elevators at openings on each floor. One new set of hand rails for stairs, and post notices of all children employed.

No. 654.—Provide guard on main belt and hand rail for stairs.

No. 655.—Ordered guards for spoke and auger belt, hand rails on three pair of stairs, and a proper protection for the elevator.

No. 656.—Ordered guards for two belts and a proper protection for the elevator.

No. 657.—Hand rails for stairs and a fire escape on south side of building ordered.

No. 659.—The main belt in this factory was ordered to be safely guarded.

No. 660.—Ordered this firm to properly protect their elevator.

No. 661.—Ordered that the main belt on planer in this factory shall be guarded.

No. 662.—A guard for the planer belt was ordered, also the elevator to be properly guarded and hand rails for stairs to be provided.

No. 663.—Provide guard for planer belts, hand rails for stairs, and a proper protection for the elevator.

No. 666.—Ordered guards for belts on band saw, planer sides, planer from shaft, and slit saw. Post notices, etc., and provide proper protection for the elevator. Found boys under fourteen in this factory and ordered them to leave.

January 8, 1894, factory was revisited and found to have partly complied with the law.

No. 668.—Provide guards for trip-hammer belt and hub auger belt. Hand rails for stairs and a proper protection for the elevator were ordered.

No. 669.—Properly guard trip-hammer belt, punch machine belt and cut-off saw; also properly protect the elevator.

No. 670.—The main belt in this factory was ordered to be properly guarded.

No. 671.—Ordered to have hand rails placed for stairs.

No. 672.—Place guards over fast running grindstones.

January 8 inspector revisited this factory and found the shops closed down, but changes will be made before they start again.

No. 673.—Provide guards for ventilator, saw belt and sticker belt. Ordered notices of children employed posted, and those children under fourteen to leave factory. Ordered an automatic door for the elevator.

January 8.—Factory was again visited, and the shop was shut down. The belts had been guarded as before ordered, but nothing had been done in regard to elevator.

No. 674.—Place guards for spoke lathe belt, sander belt, tenon machine belt, and equalizer saw. Provide proper protection for elevator.

January 8.—Factory was revisited, and law was being complied with.

No. 675.—Ordered a new frame for an emery wheel in this factory.

No. 676.—Provide a guard for planer belt, and one for jointer belt.

No. 677.—Ordered guard for trip-hammer belt and one for cog gearings on binding machine.

No. 678.—Ordered guard for cog gearings on main shaft on side of paper rolls. Provide a proper protection for elevator and a fire escape from sorting room.

No. 679.—Provide a guard in front of band saw.

No. 680.—Place guard on hub auger belt, and provide proper protection for the elevator.

No. 682.—Ordered a guard for planer belt, also one for matcher belt.

No. 684.—Provide guards for trip-hammer belt, planer belt, band saw, and one in front of band saw.

No. 685.—Ordered guard for the main belt, and the paper roll belt was also ordered to be guarded.

No. 688.—A fire escape for the fourth floor was ordered for this factory.

- No. 699.—Provide hand rail for stairs.
- No. 710.—Two hand rails were ordered for stairs in this factory.
- No. 714.—A ladder to the roof was ordered to be placed for a fire escape in this factory.
- No. 718.—Ordered the rear stairs in this factory opened up and the rubbish removed so that it can be used in case of fire.
- No. 720.—One fire escape was ordered to be erected on the west end of this building.
- No. 722.—Ordered that hand rails shall be placed on two pair of stairs.
- No. 723.—A fire escape was ordered to be placed on this building.
- No. 736.—Provide a dust arrester for this factory.
- No. 742.—Substantial hand rails for three sets of stairs.
- No. 753.—Hand rail was ordered for stairs.
- No. 760.—Substantial hand rail was ordered to be provided for stairs.
- No. 764.—Hand rails ordered to be provided for stairs, also one railing was ordered.
- No. 768.—Found fire escape in poor condition and ordered a ladder placed to get to the roof in case of a fire.
- No. 778.—Provide one hand-rail for stairs on second floor.
- No. 779.—Ordered one ladder at third floor for fire escape.
- No. 800.—Ordered one fire escape to be provided from third to second floor.
- No. 811.—Provide substantial hand rails for stairs; also, exhaust fans were ordered.
- No. 816.—One fire escape was ordered to be erected on front of building.
- No. 832.—One fire escape was ordered on the north end of this factory.
- No. 1176.—Hoods were ordered on cut off and rip saws and lower wheel on band saw to be cased in.
- No. 1178.—The elevator in this factory was ordered to be safely guarded, and also to provide hand rails for stairs.
- No. 1179.—Ordered notices to be posted.
- No. 1180.—Left notices which are to be posted.
- No. 1181.—Ordered boy under fourteen to leave, left notices to be posted, and ordered one set screw on sander to be covered.
- No. 1182.—Ordered three boys under fourteen to leave and left notices to be posted.
- No. 1183.—Rails for stairs were ordered, and also a system of dust arresters were ordered to be provided.

- No. 1185.—Provide better elevator protection, ordered several screens and two fire escapes. One boy under fourteen was ordered to leave the factory.
- No. 1186.—One fire escape was ordered to be provided for this factory.
- No. 1187.—New system of dust arresters ordered. This firm has just started and promise to comply with the law.
- No. 1188.—Provide dust arresters, rail on the stairs, several screens, and the hoisting shaft was ordered to be protected.
- No. 1196.—Guard for belt was ordered.
- No. 1198.—Better system of exhaust fans for carrying off the dust was ordered in this factory.
- No. 1200.—New screens and hand-rails for stairs were ordered.
- No. 1202.—Left notices to be posted, ordered new screens, rails for stairs, and dust arresters for emery room.
- No. 1203.—Left notices to be posted.
- No. 1204.—Elevator shaft to be enclosed and belting ordered to be cased in.
- No. 1205.—Left notices to be posted.
- No. 1207.—Shaft protected, set screw guarded. This firm is just starting after being burned out.
- No. 1208.—Screens for stairs, system of dust arresters and rail on stairs ordered. Set screw ordered to be guarded.
- No. 1209.—Left notices to be posted.
- No. 1212.—Left notices to be posted.
- No. 1213.—Provide new rails for stairs, left notices to be posted, and ordered doors changed at landings.
- No. 1214.—Provide system of dust arresters, and ordered door changed.
- No. 1215.—Ordered a better elevator protection and doors changed.
- No. 1224.—Notices were left to be posted.
- No. 1228.—Two fire escapes were ordered to be erected, and notices were left to be posted.
- No. 1229.—Notices were left to be posted.
- No. 1230.—Provide fire escapes, and a system of dust arresters for emery wheel and polishers were ordered.
- No. 1234.—Ordered doors changed, fire escape erected and notices posted.
- No. 1235.—Ordered doors changed, and notices were left to be posted.

- No. 1237.—Notices were left to be posted.
- No. 1238.—Doors were ordered to be changed in this factory, obstructions to fire escape removed, and new closet ordered.
- No. 1239.—The doors in this factory were ordered to be changed and obstructions to fire escape removed.
- No. 1240.—Have doors changed in this factory.
- No. 1241.—Notices were left to be posted, and doors were ordered to be changed.
- No. 1246.—One fire escape was ordered to be provided for this factory.
- No. 1249.—To provide a fire escape.
- No. 1251.—Ordered a fire escape.
- No. 1252.—Ordered a fire escape.
- No. 1261.—Guards were ordered to be put up for gearing and belting. Ordered a separate closet for women.
- No. 1262.—Ordered proper protection for the elevator.
- No. 1263.—Ordered a separate closet for women.
- No. 1264.—Doors on landing changed, place railing on stairs and in boiler room.
- No. 1266.—Rails on stairs were ordered.
- No. 1268.—A system of dust arresters for buffers and polishers was ordered.
- No. 1270.—Proper hand rails for stairs were ordered.
- No. 1274.—Proper hand rails for stairs were ordered.
- No. 1276.—Proper rails for stairs were ordered to be provided.
- No. 1277.—Shaft secured, ordered gearing and belting cased in and ordered floor repaired.
- No. 1278.—Ordered proper hand rail for stairs, belting cased, set screw removed, and better protection for elevator.
- No. 1281.—A system of dust arresters for buffers and polishers was ordered.
- No. 1283.—Two fire escapes were ordered on this factory.
- No. 1285.—Provide proper hand rails for stairs, and case in the belting.
- No. 1288.—Place hand rails on stairs and better protect the elevator.
- No. 1289.—Set-screw removed.
- No. 1290.—Elevator shaft enclosed, stairs were ordered to be screened, and one additional fire escape was ordered for the building.

- No. 1291.—Dust arresters were ordered.
- No. 1292.—Dust arresters were ordered.
- No. 1293.—Ordered proper hand rails for stairs to be provided.
- No. 1293.—Ordered to case in belting and also lower wheels of band saws.
- No. 1298.—Ordered proper hand rails for stairs to be provided.
- No. 1300.—Provide proper hand rail for stairs.
- No. 1304.—Ordered a separate closet for women.
- No. 1305.—Separate closet for women was ordered.
- No. 1306.—Set screw on shafting was ordered to be removed.
- No. 1312.—Set screws from shafts were ordered to be removed.
- No. 1313.—Proper hand rails for stairs were ordered, and also an automatic door for elevator and belting to be guarded.
- No. 1314.—Ordered proper hand rails on stairs, and doors changed.
- No. 1317.—Place proper hand rails on all stairs, and ordered set-screws covered.
- No. 1318.—Provide system of dust arresters for emery wheels and a proper hand rail for stairs.
- No. 1321.—Provide a better protection for the elevator.
- No. 1322.—One fire escape was ordered.
- No. 1323.—Ordered two set-screws to be covered.
- No. 1325.—One fire escape ordered.
- No. 1326.—Ordered elevator to be properly guarded.
- No. 1327.—Ordered several set-screws covered and a blower for sander drum.
- No. 1328.—Ordered children in this factory to leave. Stairs ordered to be changed.
- No. 1333.—Provide a proper protection for the elevator.
- No. 1337.—Hatchway ordered to be protected.
- No. 1338.—One fire escape to be erected and ordered the machinery properly guarded.
- No. 1339.—Provide better protection for the elevator.
- No. 1346.—Provide a fire escape.
- No. 1351.—Ordered dust arresters on emery wheels.
- No. 1354.—Ordered set screws removed.
- No. 1359.—Ordered stair rails, belting cased in, and door changed.

- No. 1360.—Case in lower wheel of band saw and belting, cover set screw, and remove obstruction to the fire escape.
- No. 1362.—Ordered proper rail for stairs and one door changed.
- No. 1364.—Proper protection for elevator was ordered.
- No. 1365.—Set screws removed, and proper hand rail for stairs were ordered.
- No. 1368.—Elevator shaft to be protected and proper hand rail on stairs.
- No. 1371.—Set screws covered, and provide system for dust arresting.
- No. 1376.—Set screws ordered to be covered.
- No. 1377.—Provide proper protection for elevator, proper hand rail for stairs, and system for dust arresting.
- No. 1381.—Belting cased in, and set screws covered.
- No. 1392.—Provide elevator with proper protection.
- No. 1398.—Ordered several set screws covered.
- No. 1411.—Set screw ordered to be removed from shafting.
- No. 1426.—Proper protection for elevator ordered.
- No. 1486.—Dust arresters were ordered.
- No. 1518.—Floor repaired and protect set screws.
- No. 1519.—Ordered shaft protected.
- No. 1521.—Proper hand-rail on stairs and belting ordered to be protected.
- No. 1523.—Set screws protected and a system of dust arresters ordered.
- No. 1525.—Set screws ordered to be protected.
- No. 1530.—Proper hand rails on stairs and belting ordered to be guarded.
- No. 1533.—Elevator ordered to be enclosed, proper hand rails on stairs to be provided, one door ordered to be changed and belting protected.
- No. 1535.—Hatchway to be protected, proper hand rails on stairs, one belt to be protected and order emery wheel to be connected with blow pipe.
- No. 1538.—Belting and set screws ordered to be protected.
- No. 1541.—Provide proper hand rails for stairs, and ordered one door changed.
- No. 1543.—Proper hand rails for stairs, and better exhaust fans ordered.
- No. 1551.—Set screws to be properly protected.
- No. 1552.—Set screws ordered covered and cut off saw covered also.

- No. 1557.—Proper hand rails for stairs, ordered belting guarded, set screws protected, and a system of dust arresters.
- No. 1559.—Proper hand rails for stairs, belting cased in set screws covered and sander connected with blow pipe.
- No. 1560.—Set screws covered and proper hand rails for stairs.
- No. 1561.—Proper rails for stairs, shafting protected, and several machines connected with blowers.
- No. 1567.—Provide proper hand rails for stairs, ordered one door changed and set screws covered.
- No. 1573.—Provide two fire escapes, proper hand rails for stairs, ordered door changed and set screws protected.
- No. 1574.—Belting, band saw pulley and set screws to be properly protected and ordered flooring repaired.
- No. 1581.—Set screws ordered to be covered.
- No. 1588.—Set screws on friction sets ordered to be covered.
- No. 1589.—Elevator to be enclosed and properly protected with automatic traps or doors.
- No. 1590.—Provide proper hand rails for stairs and properly protect the elevator.
- No. 1592.—Protect shafting.
- No. 1593.—Belting and shafting ordered to be protected.
- No. 1606.—Ordered set screws to be covered.
- No. 1616.—Protect belting, coupling and set screws.
- No. 1618.—Ordered belting protected.
- No. 1621.—Provide proper hand rails on stairs and protect gearing on feeding machine.
- No. 1622.—Set screws ordered to be covered.
- No. 1623.—Set screws on all counter shafting to be covered, ordered closet cleaned and moved.
- No. 1624.—All emery wheels and polishing machines to be hooded and connected with exhaust fan. Several set screws to be covered.
- No. 1632.—Belting to be protected.
- No. 1635.—Separate closet for women ordered.
- No. 1639.—Set screws to be covered.
- No. 1642.—Elevator properly protected, proper hand rails for stairs, belting cased in, lower wheel of band saw cased in and pulley and belting protected.

- No. 1643.—Two elevators ordered to be protected and enclosed, and set screws protected.
- No. 1646.—Pulley on lathe and set screw protected and covered.
- No. 1648.—Cover four set screws on different machines, provide proper hand rails for stairs, put up another ladder inside of covered passage for fire escape.
- No. 1650.—Provide hoods for two sand paper machines and two split saws. Cover set screw on sand paper machine and case in lower wheel of band saw.
- No. 1651.—Provide hand rails for stairs, protect hoisting shaft, case in belting and lower wheel of band saw.
- No. 1652.—Cover all belting running through floor, repair floor in passage, and case in the lower wheel of band saw.
- No. 1653.—Proper hand rails for stairs and belting on saws cased in.
- No. 1654.—Cover set screws on line shaft and protect shaft or put in a belt tightener or shifter.
- No. 1655.—Stairs to be protected on sides and at openings, and case in belting running through the floor.
- No. 1658.—One coupling ordered protected.
- No. 1660.—Case in belting on washer, railing around fly-wheel in engine room, protect set screws on counter shaft in basement, repair floor in passage, put rail on stairs to basement, and remove projecting key on dusting machine.
- No. 1663.—Provide system of exhaust fans, put up two rails for stairs, and remove and enlarge closet.
- No. 1664.—Remove set screws on dusting machines, remove projecting keys on gearing, shorten set screw on counter shaft and provide a system of dust arresters on dusting and cutting machines.
- No. 2207.—Provide new stairs and post notices.
- No. 2209.—Doors ordered to be changed and to open outward.
- No. 2210.—Ordered doors to be changed.
- No. 2212.—Provide proper protection for elevator. Change doors to open outward.
- No. 2218.—Provide proper hand rails for stairs.
- No. 2221.—Ordered compliance with law regarding children.
- No. 2224.—Ordered belts guarded.
- No. 2225.—Ordered doors changed.
- No. 2226.—Doors ordered to be changed so that they will open outward.

- No. 2555.—Provide hand rails for all stairways, guard elevator properly, post notices, and order two shifters.
- No. 2556.—Proper protection for elevator, provide hand rails for stairs, automatic shifters on two belts, and post notices.
- No. 2557.—Notices to be posted.
- No. 2558.—Provide proper hand rails for stairs, and post notices.
- No. 2560.—Provide and erect proper fire escape.
- No. 2561.—Ordered one child under fourteen to leave factory.
- No. 2269.—Proper fire escape ordered.
- No. 2270.—Provide hand rails for stairs.
- No. 2273.—Guard on rip saw ordered.
- No. 2278.—Change stairways and provide proper hand rails for the same.
- No. 2281.—Proper hand rails for stairs.
- No. 2284.—Provide proper hand rails for stairs.
- No. 2291.—Ordered pair of mitre gears to be boxed in.
- No. 2293.—Fire escape on rear of building ordered.
- No. 2298.—Sanding machine ordered to be connected with spout.
- No. 2306.—Two rip saws guarded, provide hand rails on stairs, also some guards on counter shafts.
- No. 2312.—Rail ordered around fly wheels on shears.
- No. 2314.—Guard put over pair of saws that were running on one mandrel.
- No. 2316.—Place automatic bar or guard on elevator.
- No. 2320.—Ordered an iron ladder from upper window to roof of next building.
- No. 2323.—Ordered guard around belt and balance wheels and automatic closing device on elevator.
- No. 2330.—Place railing around band wheel on engine shaft.
- No. 2334.—Separate closet for females.
- No. 2337.—Separate closet for females.
- No. 2339.—Automatic doors for elevators.
- No. 2341.—Provide proper hand rails on stairs.
- No. 2343.—Gears covered on mixing machine.

- No. 2344.—Provide proper hand rails for stairs, windows to fire escape to open outward, guard around pulley and belt in engine room.
- No. 2346.—Separate closet ordered for females.
- No. 2347.—Provide fire escapes and separate closet for women.
- No. 2348.—Elevator enclosed and secured.
- No. 2350.—Ordered cover on elevator hatchway.
- No. 2353.—Provide fire escape and guard the elevator.
- No. 2357.—Guard over counter shaft on large planer on the first floor. Provide hand rails for stairs, guard elevator and provide a fire escape.
- No. 2365.—Provide proper hand rails for stairs.
- No. 2366.—Proper hand rail on stairway was ordered.
- No. 2370.—Provide proper hand rails for stairs.
- No. 2372.—Proper fire escape was ordered.
- No. 2374.—Ordered guards around fourteen belts in works.
- No. 2502.—Ordered stairways repaired and pan protected.
- No. 2509.—Provide stairs with hand rails, enclose pair of gears and one rip saw guarded.
- No. 2510.—Provide proper hand rail for stairs.
- No. 2525.—Cover countershaft on planer.
- No. 2526.—Railing around band wheel on engine, also cover gears on printing press.
- No. 2529.—Guard countershaft on planer.
- No. 2536.—Fire escape on the rear of building was ordered.
- No. 2537.—Ordered two fire escapes on front and one on rear of building. Provide proper hand rails on stairways.
- No. 2538.—Fire escape on side of building ordered.
- No. 2539.—Fire escape on rear of building.
- No. 2540.—Guard countershafts on planers.
- No. 2554.—Provide proper hand rails for stairs.
- No. 2556.—Ordered gearing and belting guarded.
- No. 2558.—Notices to be posted and proper hand rails for stairs ordered.
- No. 2559.—Notices to be posted.
- No. 2561.—Provide proper hand rails for stairs.

No. 2565.—Ordered doors changed.

No. 2566.—Ordered doors changed.

No. 2567. Ordered doors changed so that they will open outward.

No. 2568. Ordered doors changed.

No. 2571. Ordered hoisting shafts and well holes enclosed and secured, automatic doors for elevator and doors changed to open outward.

No. 2575. Provide proper trap and automatic doors for elevator and ordered doors changed.

No. 2576. Ordered proper automatic doors for elevator.

No. 2590. Provide proper hand rail for stairs.

No. 2647. Guards for shaper belt, planer, glue jointer, sanding machine and boring machine.

December 30, '93, factory was revisited and found to have made all changes ordered.

No. 2652.—Belts ordered to be guarded.

No. 2653. Belts on planer to be guarded, one band saw and one cut off saw ordered guarded.

No. 2654.—Ordered gearing guarded.

No. 2655.—Ordered gearings guarded.

No. 2657.—Provide proper protection for elevator, guard belts and band saw.

January 26, factory was again visited and elevator was found to be protected as ordered.

No. 2662.—Ordered several belts on planer guarded.

No. 2664.—Ordered belts on planer guarded.

No. 2667.—Two belts on planer ordered guarded.

No. 2669.—Protect belts on buzz planer with guard.

No. 2670.—Ordered elevator protected, and some belts guarded on planer and other machines.

No. 2671.—Provide stairs with proper hand rails, properly protect elevator, guard belts.
January 26 the factory was visited again and all changes made as ordered.

No. 2673.—Ordered belts guarded on several machines.

No. 2675.—Belts ordered to be properly guarded.

No. 2678.—Guard for belt and cut-off saw.

No. 2679.—Ordered belts guarded.

- No. 2680.—Guard for press machine ordered.
- No. 2681.—Guard shaft in lower part of mill and also several belts.
- No. 2682.—Belts ordered to be guarded.
- No. 2683.—Several belts on planers ordered to be guarded.
- No. 2684.—Provide elevator with automatic gates and guard several belts.
- No. 2687.—Provide hand rails for stairs and protect the elevator properly.
January 26, 1894, factory was revisited and elevators found to be protected with automatic gates.
- No. 2688.—Provide elevator with proper protection.
January 26, factory was again visited and found to be provided with automatic gates.
- No. 2699.—Guard ordered for band saw.
- No. 2700.—Ordered several belts guarded on planer, jointer and rip saw.
- No. 2702.—Ordered line shaft and several belts guarded.
- No. 2703.—Proper hand rails for stairs, protect the elevator, guard two belts.
- No. 2706.—Two belts on planer ordered to be guarded.
- No. 2710.—Ordered two belts to be properly guarded.
- No. 2711.—One elevator to be guarded properly and provide stairs with hand rails.
- No. 2715.—Ordered belts to be guarded.
- No. 2723.—Ordered an exhaust fan.
- No. 2729.—Provide stairs with proper hand rails.
- No. 2730.—Ordered belts guarded and hand rails for stairs.
- No. 2733.—Hand rails for stairs, guards for belts, automatic doors for elevator.
- No. 2735.—Ordered belt on planer guarded.
- No. 2736.—Ordered main belt to be guarded.
- No. 2737.—Guards for belts on planer and shingle machine.
- No. 2739.—Notices to be posted and guards for belts.
- No. 2740.—Hand rails for platforms over vats.
- No. 2742.—Ordered line shaft boxed in in the lower part of shingle mill and guards for belts on shingle machine.
- No. 2755.—Guards around fly wheel and hand rail on stairways ordered.
- No. 2760.—Provide stairs with proper hand rails and guard belts.

- No. 2763.—Hand rails on stairs ordered.
- No. 2764.—Provide stairway with hand rails, also a railing on overhead walk in fire room. Ordered shifters for belts on heading planers.
- No. 2768.—Provide hand rails for stairs and guard one belt.
- No. 2769.—Hand rails for stairs ordered.
- No. 2774.—Guard ordered around fly wheel on engine shaft. Registers ordered to be kept and permits filed.
- No. 2779.—Hand rails ordered on stairway.
- No. 2780.—Ordered hand rails on stairway.
- No. 2786.—Provide stairs with proper hand rails.
- No. 2788.—Exhaust fan ordered on emery wheel.
- No. 2789.—Provide proper hand rails for stairs, and shifter on belt which runs machine down stairs.
- No. 2792.—Hand rails ordered on stairs.
- No. 2797.—Ordered counter shafts on planers guarded and railing around main belt in engine room.
- No. 2799.—Hand rail for stairs, shifter on planer belt and guard around main belt in engine room.
- No. 2800.—Rail ordered around main belt.
- No. 2803.—Provide stairs with proper hand rails.
- No. 2804.—Railing ordered around main driving pulley.
- No. 2807.—Countershafts on three planers to be guarded, hand rails on five flights of stairs, and guards on two rip saws.
- No. 2808.—Guard ordered for belt running close to floor.
- No. 2809.—Guards around belts running dynamos.
- No. 2845.—Belting on crimping machine protected and a railing around large pulley running main belt of shingle mill.
- No. 2853.—Gearing on veneer cutters cased in, several set screws covered and doors on top of stairs changed.
- No. 2854.—Proper railing for stairs, and ordered several set screws covered.
- No. 2856.—Set screws on arbor of slat saw and hoop machines covered, belting on hoop machines cased in, rail on stairs, and a better system for dust arresting.
- No. 2868.—Set screws on bolting saw and gearing on drag saw covered, and closet cleaned.

- No. 2877.—Set screws to be protected.
- No. 2883.—Set screw on stave cutter covered and better closet provided.
- No. 2885.—Two set screws on tightener on first floor covered, and hoods on saws.
- No. 2887.—Set screws on arbor of drag saw and stave cutter counters covered.
- No. 2890.—Provide stairs with hand rails, protect openings to elevators, cover set screws on counter shafting and on sand paper machines, and case in all belting running through floors where dangerous.
- No. 2892.—Case in belting running through floor, place hand rails on stairs and remove closet to more desirable place.
- No. 2897.—Cover set screw on machine, case in belting and gearing, put up one fire escape on the rear of No. 2 building and two on No. 3 building.
- No. 2899.—Ordered set screws covered.
- No. 2900.—Ordered set screws covered.
- No. 2901.—Cogs on ironing machine protected and set screws covered.
- No. 2904.—Belting cased in and set screw covered on printing press.
- No. 2906.—Ordered set screws covered.
- No. 2911.—Set screws ordered covered.
- No. 2913.—Cover set screws on arbor of washers and case in chain on grindstone.
- No. 2918.—Set screw on flour packer covered and hand rails on two flights of stairs.
- No. 2920.—All belting running through floor cased in, hand rails on stairs, and remove projecting key on pulley of engine.
- No. 2921.—Ordered belting cased in at bolting saw.
- No. 2922.—Better system for dust arresting ordered for emery wheels and planer.
- No. 2928.—Ordered set screws covered.
- No. 2930.—Set screws and projecting key on line shaft protected.
- No. 2932.—Large pulley near filer's door protected and a hood on the bolting saw to carry off the dust.
- No. 2935.—One large pulley protected, a system for dust arresting where possible, separate closet for females, and stairs screened at sides and bottom.
- No. 2989.—Guard cogs on machine in cooper shop and place hand rails on platforms of vats.
- No. 2991.—Cogs to be guarded.

- No. 2992.—Ordered two belts to be guarded.
- No. 2993.— Ordered vats guarded and provide hand rails.
- No. 2994.— Guard for belts ordered.
- No. 2996.—Cog gearings in cooper shop ordered guarded.
- No. 2997.—Ordered a belt in lower part of mill guarded.
- No. 2998.—Ordered guards for belts in lower part of mill and hand rails for stairs
- No. 2999.—Hand rail on platforms in salt block.
- No. 3000.—Hand rails for stairs and guard gearing on rollers.
- No. 3001.—Hand rails on all platforms on top of vats in salt block.
- No. 3002. Guard for belt on shingle machine.
- No. 3004.— Ordered hand rails for one pair of stairs.
- No. 3005.—Ordered hand rail for stairs leading into shingle mill.
- No. 3006.—Hand rails were ordered on sides of platforms in salt block.
- No. 3008.—Notices posted and hand rails on platforms in salt block on top of vats.
- No. 3009.— Guard for one belt in lath mill.
- No. 3010. Proper hand-rail for stairs and guard for main belt below.
- No. 3011. Proper hand rails for platform in salt block, on top of vats.
- No. 3012. —Guards for belts on planer and matcher.
- No. 3013. Guards for belts on planer and matcher.
- No. 3014.—Guards for belts ordered.
- No. 3016. Guards for belts on planer.
- No. 3017.—Provide proper hand rails for stairs.
- No. 3019.—Guards for belts ordered.
- No. 3020.—Proper hand rails for stairs.
- No. 3022.— Guard for belt on planer.
- No. 3023.—Guard for cogs and belts and saw.
- No. 3024.—Proper hand rails on stairs.
- No. 3025.—Provide hand-rails for stairs, and guard belts on shingle machine.
- No. 3026.—Hand rail for stairs and guard for main belt.
- No. 3028.—Guard for main belt and belt on planer.

- No. 3029. —Hand rails for stairs, cover cogs and shaft.
- No. 3030.—Guard for belts on shingle machine.
- No. 3032.—Provide hand rail for stairs.
- No. 3033.—Guard belts on planer and matcher.
- No. 3034.—Guard belts and cogs on veneering machine, and belts on sander and planer, automatic doors on elevators.
- No. 3035.—Post notices, guard belt and cogs on wire end of dish machine and gearings on edger.
- No. 3036.—Guard belts on planer and sander.
- No. 3040. —Guard cut-off saw.
- No. 3041.—Guard main belt in dry kiln, box over shaft and main belt in saw mill, guard for heading saw belts, guard for saws on equalizer and belts on hoop planer.
- No. 3042.—Guard for belts on planer.
- No. 3043. —Guards for elevator, cut-off saw, and big belt below. Proper hand rail for stairs.
- No. 3044.—Guards for belts in lower part of mill.
- No. 3047.—Guard log belt, belt on bull wheel, heading saw, and ordered two children to leave factory who were under fourteen.
- No. 3051.—Guard side belts on planer.
- No. 3055.—Belts on planers ordered guarded.
- No. 3057.—Guard belts on planer.
- No. 3060.—Guard cut off saw, equalizer, and stave machine belt.
- No. 3062.—Provide proper hand rail for stairs.
- No. 3063. —Guard belts on both sides of planer, side belt and main belt on matcher, provide hand rails for stairs and automatic gates or door for elevator.
- No. 3064.—Automatic doors for elevators, guard two belts on small engine in blacksmith shop. Provide hand rails for three pair of stairs.
- No. 3066.—Automatic gates for elevator.
- No. 3067.—Guard belts on side of small planer, main belt on large planer, and guard the front of band saw.
- No. 3068.—Guard belt on tenon saw, provide automatic traps or doors for two elevators, guard main belt on second floor in machine shop, provide exhaust fan for polishing room, guard belts on rattlers and in rolling mill.

- No. 3070.—Automatic doors or traps for elevators and provide hand rails for stairs. .
- No. 3071.—Provide stairs with hand rails, guard belts on tenon machine, sticker, and guard belts and counter shaft on planer.
- No. 3072.—Guard hub saw and planer belt, and provide automatic gates for elevator.
- No. 3073.—Guard cog gearings on rolling machine and belt on key seating machine.
- No. 3074.—Automatic doors for elevator.
- No. 3075.—Automatic doors for elevators, exhaust fan in tin shop, and one more pair of stairs from tin shop.
- No. 3076.—Fire escape on back of building.
- No. 3077.—Guard for main shaft under spindle table, hand rails for two pair of stairs, and walk repaired from knitting room to top of dye room.
- No. 3078.—Guard belts on planer and trip-hammer, and guard band saw.
- No. 3079.—Guard belt on barrel machine and saws on equalizer.
- No. 3080.—Guard band saw and belt on slitting saw.
- No. 3081.—Guard belts on planer.
- No. 3082.—Guard in front of band saw and ordered hand rails for stairs.
- No. 3083.—Guard main belt from engine. Ordered a fire escape and automatic doors for elevator.
- No. 3084.—Automatic traps or doors for elevator.
- No. 3107.—Ordered fire escape.
- No. 3108.—Ordered two fire escapes.
- No. 3126.—Notices to be posted and fire escape erected.
- No. 4142.—Fire escape ordered to be erected on south end of paint shop.
- No. 3143.—Ordered fire escape on each end of building.
- No. 3278.—Guard main belt on planer.
- No. 3279.—Guard belts on planer and matcher.
- No. 3280.—Guard cogs on lathes.
- No. 3282.—Guards for belts on planer and cut-off saw.
- No. 3285.—Ordered hand rail for stairs, and cog wheels in lower part of mill guarded.
- No. 3286.—Guard belts on planer and matcher.
- No. 3287.—Exhaust fan ordered.

- No. 3288.—Proper hand rail for stairs.
- No. 3290.—Hand rails for stairs and guard for belt in lower part of mill.
- No. 3291.—Guard for belt on handle machine.
- No. 3293.—Hand rails for stairs and guard for belt and circular bolting saw in shingle mill.
- No. 3294.—Hand rail ordered for stairs.
- No. 3296.—Proper hand rail for stairs.
- No. 3297.—Guard belts on planer and provide hand rails for stairs.
- No. 3298.—Guard belt on sticker.
- No. 3299.—Provide elevator with automatic doors.
- No. 3301.—Ordered all belts guarded.
- No. 3302.—Guard for belts.
- No. 3303.—Proper hand rails for stairs and doors for elevator.
- No. 3304.—Guard for band saw, hand rail on stairs and guard for belt on band saw.
- No. 3305.—Guard for belt on slit saw and planer.
- No. 3306.—Guard for belt on rip saw.
- No. 3308.—Guard for belt on sander and provide doors for elevator.
- No. 3309.—Guard for cog gearing on bull wheel.
- No. 3311.—Guards for belt on planer.
- No. 3312.—Hand rails for stairs.
- No. 3315.—Guard for belt on planer and repair emery wheel.
- No. 3316.—Cover cogs on bolter.
- No. 3319.—Hand rail for stairs and guards for saw on slasher and band saw.
- No. 3322.—Guard for belt on planer.
- No. 3323.—Guards for belts on drag saw and saws on equalizer.
- No. 3324.—Guard for belt on cut off saw.
- No. 3325.—Guard for bolting saw and saws on equalizer, and guards for belts on hoop machine.
- No. 3326.—Guards for saws on bolt equalizer.
- No. 3426.—Guards for belts on spoke machine and planer. Automatic doors or traps for elevators.

- No. 3427.—Guard for paper cutter, hand rails for stairs and doors for elevators.
- No. 3428.—Automatic doors for elevators.
- No. 3429.—Automatic doors and stronger support for elevator.
- No. 3430.—Guard in front of band saw.
- No. 3431.—Guard for main belt.
- No. 3432.—Guard for saw on equalizer.
- No. 3435.—Hand rails for stairs ordered.
- No. 3436.—Guard for planer belt and hand rail for stairs.
- No. 3437.—Guard for belt on large and small shaper, guard in front of band saw, drop door for elevator and hand rail for stairs.
- No. 3438.—Guard for slab saw, and hand rail for stairs.
- No. 3439.—Guard for dove tailing machine belt, jointer belt, guard in front of band saw and automatic doors for elevator.
- No. 3440.—Guard for shaper belt, band saw belt, cogs on drill press and guard in front of band saw.
- No. 3441.—Guard for planer belt, sticker belt, main belt, and proper hand rail for stairs.
- No. 3442.—Guard planer belt, matcher belt, and rip saw belt.
- No. 3443.—Guard for equalizer saws and trimming saws.
- No. 3445.—Guard belts on two rip saws, place hand rails on two pair of stairs, properly protect elevators on two floors and guard for one landing from ladder from first floor.
- No. 3446.—Guard for grinder belt and pulley.
- No. 3448.—Guard for main planer and matcher belts.
- No. 3449.—Guards for main and side belts on planer, and for main belts on matcher and sticker.
- No. 3450.—Guard for main planer belt.
- No. 3451.—Hand rails for stairs, guard in front of band saw, guard belt on jointer.
- No. 3452.—Guard for band saw belt, guard in front of band saw, hand rails for two pairs of stairs, and guard cogs on three drill presses.
- No. 3453.—Guard for cog gearings on iron lathe.
- No. 3454.—Hand rails for two pairs of stair, and a proper protection for elevator.
- No. 3460.—Guards for shaper and planer belts, proper protection for elevator and guard in front of band saw.

ACCIDENTS DURING CURRENT YEAR.

April, 1893. Alexander Dumontier, injured. Employed by the Dwight Lumber Co., Detroit. Age 43 years, married. Was disabled seven days by broken wrist. Wages were paid during period of disability by firm.

February 7, 1893. Martin Bosquette was injured in the Packing House of Hammond, Standish & Co., Detroit. He was disabled three and one-half days by thrusting a nail into his foot. He received one-half regular wages from the American Employés Liability Insurance Co.

April 6, 1893. John Laing, age 36, married. Was injured in the Packing House of Hammond, Standish & Co., Detroit. Disabled five days by cutting his thumb on a bone. He received one-half regular wages during disability from the American Employés Liability Insurance Co.

April 14, 1893. Chas. Wedler, butcher, was injured in Packing House of Hammond, Standish & Co., Detroit, by cutting his finger with a knife. He was disabled 17 hours and received one-half regular wages from the American Employés Liability Insurance Co.

April 18, 1893. Henry Bowers, aged 24, single, employed in the Packing House of Hammond, Standish & Co., Detroit, was disabled five days by sprained wrist. Received one-half regular wages from the American Employés Liability Insurance Co.

May 25, 1893. John Marfsky, aged 19 years, single, butcher in the Packing House of Hammond, Standish & Co., Detroit, was disabled 16 days by a cut across knuckles with a knife. He was paid one-half regular wages by the American Employés Liability Insurance Co.

June 19, 1893. Joseph Zimmell, age 40, married, laborer in the packing house of Hammond, Standish & Co., Detroit, and was injured by a cut on his hand. He received one-half wages for eight days from the American Employés Liability Insurance Co.

August 9, 1893. George Lux was injured in the packing house of Hammond, Standish & Co., Detroit, by cutting his hand. He was paid one-half wages for three days by the American Employés Liability Insurance Co.

September 3, 1893. John Cherry, age 22, single, was injured in the packing house of Hammond, Standish & Co., Detroit, by cutting a piece of flesh out of his left hand with a

knife. He was paid one-half wages for six days by the American Employés Liability Insurance Co.

October 9, 1893. August Brandt, age 21, married, was injured in the packing house of Hammond, Standish & Co., Detroit, by cut on the inside of left hand. He was paid one-half wages for six days by the American Employés Liability Insurance Co.

October 14, 1893. John Lanahue, age 51, married, laborer in the packing house of Hammond, Standish & Co., Detroit, was injured by a scratch on the nose near the eye. American Employés Liability Insurance Co. paid expenses.

October 17, 1893. Frank Lux, age 53, married, was injured in the packing house of Hammond, Standish & Co., Detroit, by a hook catching in his arm. He was paid one-half wages for four and one half days. Expenses incurred on account of injuries were paid by the American Employés Liability Insurance Co.

December 2, 1893. Fred Meinke, age 40, married, was injured in the lumber yard of A. Backus & Sons, Detroit. He was struck by a car of lumber, and right arm broken. He was disabled twenty-nine days, received no wages, and paid all expenses incurred on account of injury himself.

July 11, 1893. Frank Polo, fireman, age 33, married, was injured by exploding coal gas at the Globe Tobacco Works, Detroit. He was disabled 21 days, during which time he was paid full wages and the employés paid all his expenses.

May 4, 1893. William Cope, wood machinist, age 29, single, was injured by having end of his finger cut off in the furniture factory of Chas. Pohlman & Co., Detroit. He was disabled 30 days, received no wages and paid his own expenses.

October 25, 1893. H. Griessman, a can pressman, age 21, single, in the employ of the Clark Can Co., Detroit, was injured by having the forefinger on right hand cut off. He was disabled for eight days, during which time he received full wages and paid his own expenses.

October 14, 1893. Chas. Jank, a can pressman, age 21, single, employed by the Clark Can Co., Detroit, was injured by having the end of his thumb cut off. He was disabled twenty-one days, received full wages and paid his own expenses.

October 1, 1893. Earnest Schukart, can pressman in the employ of the Clark Can Co., Detroit, aged 17, single, was injured by having the first three fingers of his right hand cut off. He was disabled twenty-one days, received wages in full, and his parents paid his expenses.

May 16, 1893. Albert Salke, age 16, single, a machine hand in the employ of R. Fraedrichs, Detroit, was killed by a blow from a board thrown from a saw. Funeral expenses paid by his father.

October 21, 1893. Mathew Flory, age 35, married, a sawyer in the employ of R. Fraedrichs, Detroit, was injured by having his thumb cut off. Wages were paid in full. This party is not able to work yet.

September 16, 1893. Elmer Lenkie, a teamster, age 49, married, employed by R.

Fraedrichs, Detroit, had his thumb and forefinger cut off. Was disabled thirty-five days and received no wages during that time and paid his own expenses.

October 17, 1893. Ira Danes, machine hand, aged 40, married, in the employ of Farrand & Votey Organ Co., Detroit, cut his fingers while working on the joiner. He was disabled seven days. No wages were paid during that time, but Farrand & Votey Organ Co. paid expenses incurred by the injury.

June 13, 1893. Joseph Frazer, age 40, married, had his hand hurt on lath machine of Salloith & Rutt, Detroit. He was disabled two months and received one half pay. Expenses paid by American Casualty Insurance & Security Co.

March 23, 1893. Alfred Musson, age 39, married. Blacksmith's helper in the employ of the American Harrow Co., Detroit, was injured by a piece of iron striking him in the eye. He was disabled five and one-half days and received one-half wages. Expenses paid by the Casualty Accident Insurance Co.

May 13, 1893. Thos. Shields, aged 18, single, employed by the American Harrow Co., Detroit, was injured by having his hand cut, was disabled ten days and received one-half wages. Expenses were paid by the Casualty Accident Insurance Co.

August 17, 1893. William Pierce, in the employ of the American Harrow Co., Detroit, age 19, single, was injured by having a piece of steel falling on his arm, and cutting it, was disabled ten and one-half days, received one-half regular wages. Expenses were paid by the Casualty Insurance Co.

June 22, 1893. Phillip Weir, aged 18, single, employed by Bruick & Sherwood, Detroit, was injured by having the first joint of his left hand middle finger cut off. He was laid up seven days, received no wages but expenses were paid by the firm.

June 1. J. McEnamey, age 24, married, in the employ of Bruick & Sherwood, Detroit, had three fingers cut off in a shaper machine. He was disabled seven days, received wages and had his expenses paid by the firm.

October 23, 1893. Frank Kraft, age 25, married, finisher in the employ of the Day Manufacturing Co., Detroit, threw combustible material in the stove and had his face and hands burned. He was laid up thirteen days. The firm loaned him \$22.00 and he paid his own expenses.

May 1, 1893. Henry Bach, age 23, single, in the employ of the Leland, Faulconer & Norton Co., Detroit as machinist, had his little finger lacerated in lathe. He was disabled seven days, received no wages, but expenses were paid by Employés Liability Insurance Co.

March 23, 1893. J. G. Rabar, age 24, single, a molder employed by the American Radiator Co., Detroit, was burned by the breaking of the ladle shank. He was disabled 45 days, received wages in full. Expenses were paid by an accident insurance company.

September 15, 1893. Alex Johnson, in the employ of the American Radiator Co., Detroit, age 26, married, was burned by exploded rosin. He was disabled twenty days. Wages and expenses were paid by an accident insurance company.

March, 1893. Sarah Mitchel, employed in Detroit White Lead Works, age 18, single, had forefinger crushed in a can covering machine. She was disabled twenty-eight days, wages were paid in full, and expenses paid by Employés Accident Insurance Co.

December 22, 1892. Earnest Peschka, married, iron worker in the employ of the Detroit Dry Dock Co., Wyandotte, fell into the hold of a ship and was bruised on various parts of his body, and internally injured. He was disabled seventy-six days, and received one-half wages. Expenses were paid by the American Casualty Insurance & Security Co.

January 27, 1893. John Pepka, a riveter, age 25, single, employed by the Detroit Dry Dock Co., of Wyandotte, fell from stage and bruised his head and hip and injured himself internally. He was disabled twenty-six days and received one-half wages. Expenses were paid by the American Casualty Insurance and Security Co.

February 4, 1893, Albert Flaischana, a laborer aged 31, married, employed by the Detroit Dry Dock Co., at Wyandotte, received a severe cut on thumb and finger. He was disabled thirty days, received one-half wages. Expenses paid by the American Casualty Insurance & Security Co.

February 16, 1893. Fred W. Peck, age 24, single, an employé of the Detroit Dry Dock Co. at Wyandotte, was struck in the right eye ball by a steel sliver. He was disabled thirty-six days and received one-half wages. Expenses were paid by the American Casualty Insurance & Security Co.

February 25, 1893. James Cahill, Jr., an iron worker in the employ of the Detroit Dry Dock Co., Wyandotte, fell from staging and fractured wrist and received other bruises. He was disabled forty-two days and received one-half wages. Expenses were paid by the American Casualty Insurance & Security Co.

February 28, 1893. Michael Ganley, age 38, married, in the employ of the Detroit Dry Dock Co. of Wyandotte, fell from staging, broke collar bone and injured his left hand. He was disabled thirty-two days and received one-half wages. Expenses were paid by the American Casualty Insurance & Security Co.

March 14, 1893. Henry Brooklyn, age 24, single, an iron worker in the employ of the Detroit Dry Dock Co., of Wyandotte, cut off three fingers on right hand while shearing angles, laid up fifty-two days, and paid one-half wages. Expenses paid by American Casualty Insurance & Security Co.

March 21, 1893. August Turskie, a laborer in the employ of the Detroit Dry Dock Co., of Wyandotte, age 30, married, broke his leg and dislocated ankle. Was disabled forty days, received one-half wages. Expenses paid by the American Casualty Insurance & Security Co.

March 25, 1893. Henry Emmet, age 50, married, a laborer employed by the Detroit Dry Dock Co., of Wyandotte, had leg bruised and smashed one toe, large steel plate falling on leg. He was disabled twenty-two days and received one-half wages during that time. Expenses paid by American Casualty Insurance & Security Co.

April 8, 1893. Thomas Jenkins, a ship carpenter, age 57, married, employed by the Detroit Dry Dock Co., Wyandotte, fell from staging, fractured a rib and injured him-

self internally. He was disabled twenty-three days, and received one-half wages during that time. Expenses were paid by the American Casualty Insurance & Security Co.

April 17, 1893. William Stephanic, a laborer, age 47, married, employed by the Detroit Dry Dock Co., of Wyandotte, smashed toe and bruised left foot by falling of large steel frame. Was disabled twenty-three days and received one-half wages during that time. Expenses paid by the American Casualty Insurance & Security Co.

April 18, 1893. Joseph Goupell, ship carpenter, age 47, married, employed by the Detroit Dry Dock Co., of Wyandotte, received internal injuries as a result of carrying heavy timber up a gang plank. He was disabled twenty days and received one-half wages during that time. Expenses paid by the American Casualty Insurance & Security Co.

April 22, 1893. Frank Begin, a riveter, age 28, single, in the employ of the Detroit Dry Dock Co., of Wyandotte, fell with timber about twenty feet, sprained wrist, bruised face and other parts of the body. Was disabled twelve days and received one-half pay. Expenses were paid by American Casualty Insurance & Security Co.

April 24, 1893. Fred Zoddack, laborer, age 43, married, in the employ of the Detroit Dry Dock Co., of Wyandotte, had both hands severely injured. He was disabled thirty-seven days and received pay. Expenses were paid by the American Casualty Insurance & Security Co.

June 7, 1893. F. Kluth, spring maker, age 35, married, in the employ of the Detroit Spring Co., fell while carrying a bar of iron which struck him in the stomach. Injury resulted in death. Burial expenses paid by accident insurance company. Wages were paid during time of disability and expenses of sickness paid by the Detroit Steel and Spring Works. The son of the deceased was also given employment by the company.

March 13, 1893. August Reinholz, carpenter employed by the Consolidated Rolling Stock Co., age 36, married, was tearing roof from an old car when a nail flew and struck him in the eye. He was disabled forty-two days, was paid no wages, and hospital expenses have not yet been paid.

April, 1893. C. Lange, whitewasher, aged 40, married, employed by the Detroit Oak Belting Co., fell from a barrel and broke his collar bone. He was disabled fifty days, received wages during that time, and expenses were paid by employer.

July, 1893. Theodore Doore, age 30, single, employed by the Detroit Oak Belting Co., cut off ends of two fingers, the result of careless use of knife. Was disabled forty days, received wages during that time. Expenses were paid by the employers.

November 8, 1893. John Schlop, a laborer, age 46, married, employed by Berry Brothers, fell and broke a rib. Disabled two weeks and received full wages during that time. Expenses were paid by employers.

May 11, 1893. William Newton, teamster, age 26, single, employed by Northville Mills, Northville, was caught in the gearing and injured leg and arm. Was disabled twenty-one days, received no wages and paid his own expenses.

November 24, 1893. S. W. Carrington, machinist, employed by the Globe Furniture

Co., Northville, age 40, married, had the end of his finger cut off. Was disabled seven days. This man is a contractor and jobber and does piece work for the firm. Received no wages and paid his own expenses.

April 10, 1893. Peter Gillespie, miller, aged 67, married, proprietor of the Argo Mills, Northville, died from injuries by falling down stairs where there were no rails. Burial expenses paid by the estate. He was sick thirty-five days before his death.

May 6, 1893. Joseph Lara, employed by E. H. Doyle of Wyandotte, had finger smashed while running heading machine. Was disabled seventeen days, received three-fourths pay. Expenses were paid by the American Employers Liability Insurance Co.

June 14, 1893. Oliver Brandt, a jointer employed by E. H. Doyle, Wyandotte, had hand injured and thumb cut on machine. Was disabled five days, received three-fourths pay. Expenses paid by the American Employers Liability Insurance Co.

July 20, 1893. Frank Sheleski, employed by E. H. Doyle, of Wyandotte, had fingers cut by saw, was disabled thirty-seven days, received one-half pay, and expenses paid by American Employers Liability Insurance Co.

July 22, 1893. Timothy Burke, employed by E. H. Doyle of Wyandotte, had hand cut on heading machine. Was disabled six days, received three-fourths pay. Expenses paid by the American Employers Liability Insurance Co.

September 14, 1893. August Brandt, a machine hand employed by E. H. Doyle, slipped and fell, received one-half wages during time of disability. Expenses were paid by the American Employers Liability Insurance Co.

November 9, 1893. Charles Wilks, machine hand, employed by E. H. Doyle of Wyandotte, had his hand hurt by equalizer.

September 28. Fred Ermish, age 30, single, whitewasher in the employ of the Edson Illuminating Co., Detroit, had ankle broken, and December 12, was still laid up. Don't know who will pay expenses.

January 12, 1894. B. Elberd, employed by the Michigan Bolt & Nut Works, Detroit, had three fingers smashed with shears. Was disabled four days, had accident insurance.

April, 1893. Emily Hammond, age 22, single, employed by the Palace Steam Laundry, had fingers crushed between rollers, was laid up 42 days, received wages during disability. Expenses paid by the firm.

May, 1893. William Eugh, age 34, married, carpenter employed by J. H. A. Haberkorns, fell off a roof and sprained his ankle, was laid up thirty days. Was paid thirty dollars during that time by the firm.

June 1, 1893. An unknown man (refused to give his name), a patternmaker, employed by George W. Cope, was laid up thirty-five days.

June 10, 1893. Owen Mustah, age 18, single, press boy, employed by Richmond, Backus Co., while cleaning a press wheel in machine cut off the end of third finger on left

hand. Was disabled twenty-one days, received wages during that time, and expenses were paid by firm. Superintendent says it is strictly against the rules to clean machinery while in motion, and the boy was to blame.

August 19, 1893. L. M. Peters, proprietor of carpet cleaning works, had his hand crushed, was disabled forty-two days.

July 10, 1893, William Shade, roofer, age 23, single, employed by the Detroit Slate and Cornice Works, was killed by falling off the roof. Expenses of sickness and burial paid by friends of the family.

December 15, 1893. Lucy St. Pierre, 19, single, ironer in the Siau laundry, had finger pinched in rollers, was laid up fourteen days, received wages in full and paid her own expenses.

January 5, 1893. Grace Scratch, age fourteen, single, ironer in the employ of the All Right Dress Stay Co., had hand cut in mangle and burned. Was laid up for ninety days and was paid two months' salary.

November, 1893. Martin Hoffmann, age 19, single, in the employ of the Van Landegan Stove Co., Mt. Clemens, lost two fingers while unloading stoves. Laid off twenty-one days, received no wages and paid his own expenses. Accident was the result of carelessness.

May, 1893. Walter Reidy, age 15, single, errand boy employed by the American Press Association, Detroit, fell down an elevator and sprained wrist, was disabled seven days, and was paid wages during disability.

December 4, 1893. F. J. Austin, age 32, single, foreman in the Sprudel Water Co., Mt. Clemens, cut hand with pocket knife while lacing belt, was laid up fifty-five days, received salary and paid his own expenses.

January 25, 1894. W. C. Chatterton, age 15, helper, employed by J. P. Hensien, tinner, had eye injured by piece of tin, was disabled fourteen days and received wages.

February, 1893. Frank Reush, age 16, machine hand for J. P. Hensien, tinner, Detroit, two fingers cut off, was laid up twenty-four days, received wages. Expenses paid by the firm,

July 1, 1893. Hiram Bradley, age 37, married, heading sawyer employed by the Saginaw Box Co., was injured by having two joints of little finger of left hand sawed off, was disabled twenty-five days, and received one-half regular pay, expenses paid by an insurance company.

February 10, 1893. Welles Schulz, age 25, single, employed by Ring, Merrell & Tilton, Saginaw, lost three fingers in a buzz planer, disabled seven weeks and two days, received one-half pay from insurance company.

February 8, 1893. A. Shaver, employed by the Palmerton Woodenware Co., Saginaw, age 40, married, lost thumb on a saw, laid up twenty days, received no wages and paid his own expenses.

February 28, 1893. Andrew Gaertner, employed by John G. Schenn, Brewer, Sagi-

naw, scalded his hand, was laid up seven days, received one-half wages and doctor bill from insurance company.

June 15, 1893. John Turnbull, age 40, married, in the employ of Levi Tillotson, received a flesh wound on elbow and wrist, was disabled sixteen days, paid one-half wages, and paid his own expenses.

Levi H. Bell employed by Jackson & Church, Saginaw, caught his hand in a shaft, lacerating and bruising it. He was disabled fifty-two days, received one-half wages, and physician's bill and medicine paid by the Standard Insurance Co. of Detroit.

May 14, 1893. James Smith, a fireman, age 30, single, employed by Bliss & Van Auken, Saginaw, was scalded and laid up 105 days. He received wages and the firm paid his expenses.

June 27, 1893. Chas. Wood, age 40, married, gang sawyer in the employ of Bliss & Van Auken, Saginaw, cut his leg with an axe. Was disabled fourteen days, received no wages, but Bliss & Van Auken paid his expenses.

Oct. 30, 1893. Herman Pahl, age 39, married, millwright, employed by A. W. Wright Lumber Co., Saginaw, was killed while putting a belt on pulley, being caught in a shaft. The Wright Lumber Co. paid funeral expenses.

October 24, 1893. Herman Hotte, age 17, employed by the A. W. Wright Lumber Co., cut three fingers off from left hand. He was disabled fifty days, received no wages and paid his own expenses. This boy had no business about the machine where he was injured.

July 7, 1893. William Klock, employed by the Central Lumber Co., Zilwaukee, cut off one finger while cutting slabs. Was disabled thirty days, received no wages and paid his own expenses.

July 20, 1893. Joseph Bushey, employed by Wall & Webber, had leg broken while taking lumber from circular saw. He was disabled about sixty days, received no wages but Wall & Webber paid his expenses.

September 14, 1893. James Bruce, salt maker in the employ of W. H. Cambrey, South Saginaw, walked off the platform and fractured his leg, is still disabled, receives no salary, pays his own expenses.

September 26, 1893. Delos Alden, fireman, employed by Thomas Tindle & Co., South Saginaw, caught his hand in a belt and tore flesh off from the back of it. Was disabled twelve days and was paid full wages and doctor's bill by the firm.

June, 1893. Frank Webb, heading sawyer, employed by Thomas Tindle & Co., cut his hand and was laid up eight days and received full wages.

September 15, 1893. Rudolph Otto, a laborer employed by the Saginaw Salt and Lumber Co., received compound fractured knee and internal injuries, by having clothing caught in the shaft. He is still disabled, received one-half wages and doctor's bill from insurance company. Premium on policy being paid by the firm.

July 18, 1893. Nelson Collyer age 35, married, edger sawyer, employed by the Sagi-

naw Salt and Lumber Co. of Crow Island, received a flesh wound in chin and mouth. Was disabled five days, received one-half pay from insurance company. Premium on policy paid by firm.

April 2, 1893. A. E. Soules, furniture hand, employed by the Beelman Furniture Co., Saginaw, cut his hand on saw, was disabled thirty days, received no wages and paid his own expenses.

January 13, 1893. Theodore Allen, age 35, married, employed by the Beelman Furniture Co., Saginaw, lost one finger on shaper, was disabled twenty-three days, received one-half wages and doctor's bill from Insurance Co.

October 11, 1893. E. H. Harter, age 65, married, employed by the Beelman Furniture Co., Saginaw, lost index finger and was otherwise cut on hand while running shaper; disabled sixty days.

February 2, 1893. William Grossmith, age 20, single, laborer employed by O. E. & S. L. Eastman & Co., Saginaw, fell and crushed his foot. He was disabled sixty days and received one-half wages and doctor's bill from Accident Insurance Co.

September 18, 1893. F. Hilliard, age 19, single, employed by O. E. & S. L. Eastman & Co., cut the inside of his hand, was laid up nineteen days, received one-half wages from the Insurance Co.

July 22, 1893. Chas. Willey, age 26, married, machine hand in the employ of the Linton Manufacturing Co., Saginaw, had a hole cut in his arm, was disabled nineteen days, received one-half pay and doctor's bill.

January 25, 1893. Frank Guyett, age 16, single, box nailer employed by the Linton Manufacturing Co., Saginaw, cut off part of his thumb in a nailing machine. He was disabled forty-five days, received one-half pay and doctor's bill from an accident insurance company.

September 9, 1893. A. Helfright, age 18, employed by the Linton Manufacturing Co., Saginaw, had part of thumb cut off while playing with machine, was disabled twenty-four days, received one-half pay and doctor's bill from the insurance company.

April 17, 1893. Archie Meritt, age 18, single, employed by the Linton Manufacturing Co., Saginaw, cut off one finger on rip saw, was laid up twenty-four days, received one-half pay and doctor's bill from accident insurance company.

September 6, 1893. Cyrus Jack, age 17, single, cut off part of finger on saw, was disabled fifty days, received one-half pay and doctor's bill from an insurance company.

June 22, 1893. Mike Kormaski, age 40, married, laborer employed by Smalley & Woodworth, Bay City, had one finger cut off in chain, was disabled twenty-seven days received no wages and paid his own expenses.

November 5, 1893. Geo. W. Wills, age 43, married, employed by Pack, Woods & Co., Oscoda, cut off forefinger on slab saw, was laid up ninety days, received three weeks wages, firm paid expenses.

August 17, 1893. W. E. Doyle, age 40, married, circular sawyer, employed by Albert

Pack, Alpena, cut off part of his hand, has not recovered yet, he received part wages, expenses were paid by insurance company.

July 21, 1893. A. Hurlburt, age 19, single, employed by the felt boot company, Grand Rapids, had his arm lacerated, disabled three days, received no wages, and paid his own expenses.

April 1, 1893. John Haggayard, age 35, single, employed by Rosson Brothers Co., Grand Rapids, as a yard hand, lost part of three fingers. He was disabled forty days, received no wages, expenses of his sickness were borne by his fellow workmen.

May, 1893. C. Swag, age 26, single, employed by Stickley Bros. Co, Grand Rapids, lost finger on a saw, was disabled, six days, received no pay, and paid his own expenses.

August 1, 1893. Fred York, aged 40, married, employed by DeGraph, Vrieling & Co., Grand Rapids, lost part of two fingers, was laid up thirty days, received no wages.

April 1, 1893. Kniper, employed by the Sligh Furniture Co., Grand Rapids, mutilated two fingers on a bed machine. He left employ of the company after the accident and received no wages.

September 26, 1893. Jacob Yeager, age 15, in the employ of the Valley City Spring Bed Co., Grand Rapids, lost part of three fingers in a cotton carding machine, was disabled thirty days, received no pay but the firm paid his doctor bill.

March, 1893. William Miller, age 60, married, manufacturer of heating apparatus, Grand Rapids, lost one finger, laid up thirty days.

July, 1893. Theron De Young, age 19, single, employed by Loomis Onderdonk, Grand Rapids, had finger smashed while feeding a press, was disabled thirty days, received no wages.

July 14, 1893. James Sipprey, age 38, single, in the employ of the Aleitelt Iron Works, Grand Rapids, lost the tips of two fingers, was laid up sixty-seven days received no wages, expenses paid by an accident insurance company.

April 28, 1893. William Murphey, age 28, single, employed by Aleitelt Iron Works Grand Rapids, lost the tip of little finger by the slipping of a beam, was disabled thirty-three days, received no wages, expenses paid by an accident insurance company.

August 22, 1893. William Hyde, age 53, married, a turner employed by William S. McCay & Co., Grand Rapids, was killed by the bursting of a pattern, his family paid his funeral expenses.

June, 1893. J. Carlson, age 28, married, employed by Z. E. Allen, Grand Rapids, had his hand cut on a planer and was laid up fourteen days. He received wages during disability, expenses paid by employer.

August 29, 1893. Stanley Oroskey, age 40, married, employed by Butterworth & Lowe, Grand Rapids, received a deep cut on his finger, was laid up thirty days, accident insurance company paid expenses.

July 22, 1893. J. Blackburn, age 22, single. Employed by Butterworth & Lowe,

Grand Rapids, had his finger cut in the slotting machine, was laid up thirty-six days, received no wages.

August 4, 1893. J. Van Houten, age 22, married, employed by M. E. Christenson, Grand Rapids, lost part of three fingers, laid up ten days, but his doctor bills were paid by the firm.

June 13, 1893. Herbert Lewis, age 19, single, in the employ of the Grand Rapids Vapor Stove Co., Grand Rapids, received a deep cut in the arm while running shaper. He was disabled five days, received no wages, expenses paid by accident insurance company.

September 19, 1893. E. W. Kellogg, age 30, married, employed by the Oriel Cabinet Co., Grand Rapids, lost three fingers while running a shaper, expenses being paid by mutual aid society.

October 13, 1893. Paul Van der Kline, age 50, married, employed by the Waddell Manufacturing Co., Grand Rapids, lost part of finger, laid up twenty-one days, received no pay, but the firm paid his doctor bill.

July, 1893. J. Ruloff, age 22, single, employed by the Gunn Folding Bed Co., Grand Rapids, lost part of his finger, was disabled thirty days, received one week's pay and firm paid his expenses.

April, 1893. P. Rock, age 70, married, foreman in skein room in the employ of the Harrison Wagon Co., Grand Rapids, had his spine injured by heavy panel falling on it.

May, 1893. D. Getty, employed by Haney School Furniture Co., Grand Rapids, lost end of little finger on right hand in shaper. Was disabled twenty days, received wages during time of disability, expenses were paid by the American Casualty Insurance Co.

November 20, 1893. Harry Bean, age 23, married, employed by the Fox Machine Co., lost part of middle finger by having it caught in a set of bits, was laid up seven days, received no wages, paid his own expenses.

September 13, 1893. A. P. Stewart, age 45, married, sub-contractor for the Folding Chair and Table Co., Grand Rapids, received a deep cut in three fingers, laid up twenty days.

September 27, 1893. John Anderson, age 40, single, employed by Belknap Wagon and Sleigh Co., lost two fingers, laid up twenty-one days, received no wages but the firm paid his expenses.

March 21, 1893. J. K. Bunn, age 50, married, nightwatchman, employed by the Grand Rapids Hand Screw Co., stepped into a vat of hot water and scalded his foot, was laid up thirty days, received no wages, but his expenses were paid by the firm.

June 25, 1893. Benjamin Bolles, teamster, age 55, married, employed by the Valley City Desk Co., was killed by falling down an elevator shaft while intoxicated, funeral expenses paid by his family.

May 20, 1893. Vincent Boylan, office boy, age 15, employed by O. & Wm. Thumb, had his foot crushed in an elevator, received wages and the firm paid his expenses.

May, 1893. Thomas Kraai, age 24, single, employed by Bissel Carpet Sweeper Co., Grand Rapids, killed by backing off an elevator shaft and falling five stories, funeral expenses paid by the firm.

August 1, 1893. Court Earl, aged 30, married, laborer in the employ of the Grand Rapids Leather Co., Grand Rapids, scalded while flowing acid into hot grease, was laid up fifty-four days, received no wages and paid his own expenses.

November 1, 1893. Frank Barnes, aged 21, single, a laborer employed by J. H. Worden, Cedar Springs, lost part of finger, was disabled five days, received no wages, but his expenses were paid by the firm.

July 8, 1893. Horace Trafford, age 18, single, employed by the Falcon Manufacturing Co., Big Rapids, was caught in a belt and had his arm fractured, was disabled forty-eight days, received wages while disabled, and Insurance Co. paid his expenses.

October 21, 1893. Chester Leary, age 33, married, employed by the Lowell Cutter Co., Lowell, lost part of one finger on rip saw, was disabled twenty days, was paid no wages, and expenses of his sickness were paid by subscription.

August, 1893. E. Harrison, age 40, married, employed by the Lowell Cutter Co., Lowell, lost his thumb on a rip saw, was disabled thirty days, received no wages and expenses were paid by subscription.

June 19. S. C. Clawson, age 25, single, employed by the Lowell Cutter Co., Lowell, lost one finger on a shaper, was disabled thirty days, received no wages.

June, 1893. Frank Purdy, age 34, married, employed on the buzz planer by the Welch Folding Bed Co., of Sparta, lost a thumb in the planer, was laid up twenty days, received no wages and paid his own expenses.

August, 1893. David Conover, age 40, married, a sawyer employed by the Converse Manufacturing Co., Newaygo, lost part of two fingers while cleaning a saw in motion, was disabled thirty days and received no wages. Expenses were paid by subscription.

November 24. Chas. Leland, age 19, employed by F. S. Mathews, Newaygo, had his thumb cut on saw.

September 5, 1893. Fred C. Hall, age 27, single, employed by A. B. Klise, Sullivan, received a bad bruise in the side from a piece of timber which flew back from the saw. He was disabled fourteen days, received no wages and paid his own expenses.

August 23, 1893. Chas. Skianer, age 16, employed by A. L. Utter, Sullivan, was caught in a chain and had his leg broken, was laid up seventy days, received no wages, expenses were paid by himself or parents.

November 3, 1893. August Hartell, age 45, married, tinner, employed by the Challenge Corn Planter Co., Grand Haven, hurt by falling; resulting in bad injuries to his knee caps, was unable to walk at the end of three weeks, received no wages but expenses were paid by the Mutual Benefit Association & Accident Insurance Co.

March 20, 1893. Hiram Surdam, age 50, married, employed by Chas. F. Dehn, Hud-

sonville, lost thumb on edger saw, was laid up sixty days, received no wages and paid his own expenses.

A. Barnes, age 35, married, employed by DePree & Alenbaas of Zeeland, lost thumb and part of two fingers on rip saw, was laid up twenty-one days, received no wages, expenses were paid by subscription.

October 1893. D. Verschure, age 45, married, employed by Holland Stave and Lumber Co., Holland, received a deep cut in the palm of his hand on saw, was disabled twenty days, received no wages and paid his own expenses.

June, 1893. R. B. Himse, age 35, married, employed by the Holland Stave and Lumber Co., Holland, lost a part of three fingers while trying to loosen a belt while a saw was in motion. Was disabled thirty days, received no wages and paid his own expenses.

October 27, 1893. Levi Bailly, employed by the Holland Stave and Lumber Co., Holland, age 34, married, caught in set screw of collar of line shaft and killed. Firm paid funeral expenses.

December 2, 1893. Luther D. Fisk, age 24, married, employed by the Allegan Paper Co. of Allegan, was killed by having his clothing caught in a key slot and being wound around the shaft. Firm paid burial expenses.

November 29, H. Johnson, 22, single, in the employ of the Allegan Paper Co., Allegan, had his legs badly bruised by being wound around a shaft, he was laid up eight days, received no wages, but expenses paid by firm.

November 2, 1893. Frank Beasdale, age 19, employed by Michigan Heading and Hoop Co., Coleman, had his arm broken while cleaning a machine in motion, was laid up eight days with a broken arm, received no wages, expenses paid by subscription.

November 2, 1893. William Patterson, age 50, married, lost thumb and forefinger on a saw, received no wages, and paid his own expenses.

July, 1893. William Thompson, employed by Gorham Bros. & Co., Mt. Pleasant, age 35, married, lost the tips of two fingers on a shingle saw. Received no wages, but expenses were paid by firm.

December 29, 1893. Dan Johnson, age 50, married, laborer employed by the Mt. Pleasant Manufacturing Works, Mt. Pleasant, lost two fingers while cleaning machine in motion, received no wages, but firm paid his expenses.

February 23, 1893. Chas. Moore, age 23, single, employed by F. E. Prince & Co., Mt. Pleasant, lost two fingers while cleaning machine in motion. Was disabled seventy days, received no wages, expenses of sickness paid by the firm and by fellow employes.

July, 1893. J. Struble, age 21, single, employed by Shepherd Stave and Heading Works, Shepherd, planed back of fingers off. Was disabled ninety days, received wages during the time of disability and paid his own expenses.

January 26, 1893. John Updegraph, age 35, married, employed by the St. Louis Hoop

and Stave Co., St. Louis, lost four fingers on right hand on a cut-off saw. Was disabled ninety days, received no wages, but firm paid expenses.

December 1, 1893. Sam Miller, age 40, married, sawyer employed by C. W. Althouse, Ithaca, sawed a finger, laid up fourteen days, expenses paid by firm.

December 15, 1893. Geo. Morroff, age 22, employed by C. W. Althouse, Ithaca, sawed finger on heading saw, received no wages and paid his own expenses.

January, 1893. Wm. Misner, age 28, single, miller, employed by the Darling Milling Co., Fremont, had his arm crushed in a cog wheel, was laid up thirty days.

July, 1893. Robert Ralph, age 30, married, in the employ of the Clare Woodenware Co., Clare, lost a thumb and forefinger while cleaning machinery in motion. Was disabled four months, received no wages, expenses of sickness were paid by subscription.

July 1, 1893. Louis Balongie, age thirty-five, married, in the employ of F. W. Grey & Co., Rapid River, lost one finger to first joint while making shingles, was disabled about two weeks, expenses paid by subscription of his fellow workmen.

August 1, 1893. Gus Turnchrist, age 28, single, in the employ of the Negaunee Sash and Door Co., Negaunee, lost three fingers while jointing lumber, was disabled three weeks, received no wages, but company paid his board.

August 3, 1893. Amlie Lablanc, age 22, single, in the employ of the Ford River Lumber Co., Ford River, was killed by falling between carriage and log deck.

September 8, 1893. Frank Barbell, age 30, married, in the employ of M. M. Morley, Hancock, slipped between log deck and carriage and broke small bone in leg, received no wages.

September 10, 1893. Henry Eberhardt, age 24, single, in the employ of Funke & Co., Baraga, sawyer, was injured by breaking of band saw, was disabled two weeks, received no wages, and expenses were paid by himself.

June 1, 1893. Wm. Stewart, in the employ of Hinsworth & Alexander, Sault Ste. Marie, age 24, single, oiler, was caught on shaft while oiling and one arm and body were bruised, was disabled two weeks, received one-half pay and doctor's bill from the Standard Life and Accident Insurance Co., Detroit.

July 13, 1893. Chas. Whitter, age 33, single, in the employ of Hinsworth & Alexander, Sault Ste. Marie, while trimming lumber caught his foot in chain and bruised ankle, was disabled three days, received one-half pay and doctor bill from the Standard Life and Accident Insurance Co., Detroit.

July 13, 1893. Andrew Axelson, age 50, married, employed by J. A. Jamieson, St. Ignace, greaser, was struck on back with pulley, was disabled one month, received no wages, and paid his own expenses.

July 25, 1893. Daniel Albrant, age 40, married, sawyer in the employ of the Iceland Cedar Co., Detour, was injured by having hand cut between thumb and finger, lost no time.

July 29, 1893. Archie Paul, age 16, single, shingle picker, employed by the Iceland Cedar Co., Detour, lost little finger on left hand and three other fingers badly cut on shingle saw. Was disabled one month, received no wages and paid his own expenses.

August 5, 1893. Mike Perry, age 30, shingle picker, employed by Iceland Cedar Co., Detour, was cut through the ball of foot while trying to kick a shingle out of knot saw, received no wages while disabled, and paid his own expenses.

November 14, 1893. Oliver Hamel, age 55, single, employed by Robbins & Son, Owosso, lost right hand while employed at tail sawing, received wages and firm paid doctor's bill.

June 19, 1893. Chas. Berry, age 15, employed by the Ovid Buggy Co., Ovid, was caught in a belt and died the second day after accident, received wages during time disabled and firm paid expenses.

June, 1893. John Heiderbrant, age 45, married, teamster, in the employ of the Estey Organ Co., Factory A, Owosso, was bruised on back, disabled seven weeks, Estey Mfg. Co., paid doctor bill and wages for some time.

November 15, 1893. — Gilber, age 20, single, employed at turning hubs by the Flint Wagon Works, Flint, was injured by clothing catching in shafting and the flesh of right arm was stripped from shoulder to elbow, was disabled three months, received no wages and paid his own expenses. Was not hurt while in the pursuit of his work.

April, 1893. A. Wandrey, single, employed by Heyser & Sons, Jackson, lost one finger on a saw, received wages while disabled.

June, 1893. J. Fitz Gerald, single, sawyer, employed by Heyser & Sons, Jackson, was injured by having arm cut on cut-off saw. No wages were received while disabled.

August 31, 1893. Loren Parmelee, age 67, married, employed at running rip saw for F. R. Parmelee & Co., Albion, had two fingers cut off and injured two others, was disabled about a month, received wages while disabled and the firm paid expenses.

September 13, 1893. Oscar Chatfield, age 48, married, employed at fitting castings for Gale Manufacturing Co., Albion, was killed while cramping an emery wheel. Burial expenses paid by the firm.

September 20, 1893. S. Paterson, age 20, single, machine hand, employed by Aulsbrook & Sturgis, Sturgis, lost one finger, received no wages and paid his own expenses.

September 26, 1893. A. Balke, age 25, married, machine hand, employed by Aulsbrook & Sturgis, Sturgis, lost one finger in planer, paid his own expenses.

January 4, 1893. M. Duhn, age 34, married, employed by John Whitmire, Sturgis, injured hand in pulley while doing machine work, was disabled thirty days, received no wages, and paid his own expenses.

D. W. Chase, machine hand, employed by the Pratt Manufacturing Co., Coldwater, caught hand in planer, and cut off ends of two fingers. Was disabled two months, received no wages and paid his own expenses.

March, 1893. M. H. Baxter, age 38, married, machinist, employed by Battle Creek Machinery Co., Battle Creek, caught his hand in cog gearing and lost one finger, was disabled twenty days, received full wages, and expenses were paid by the firm.

December, 1892. Wm. Knerr, age 35, married machine hand, employed by Burrell & Sons, Kalamazoo, lost one finger on a saw, was disabled thirty days, received wages, and firm paid expenses.

January, 1893. Geo. Knerr, age 30, married, machine hand, employed by Burrell & Sons, Kalamazoo, had hand cut on saw, was disabled one month, received wages, and firm paid expenses.

September 23, 1893. James Larne, age 30, married, machine hand, employed by Dewing & Son, Kalamazoo, had hand cut on saw, received wages while disabled and firm paid expenses.

October, 1892. Sam Borden, age 35, married, machine hand, employed by Dewing & Son, Kalamazoo, lost one finger on a saw, lost no time, was a foreman. and paid his own expenses.

January 20, 1893. C. M. Hider, age 24, married, machine hand. employed by B. S. Williams & Co., Kalamazoo, caught his hand on out-off saw, was injured one month, no wages received while disabled, and paid his own expenses.

March 15, 1893. Milo Waite, age 25, married, machinist, employed by The Phelps & Bigelow Co., Kalamazoo, caught hand in drill, was disabled thirty days, received wages and firm paid expenses.

August 31, 1893. Wm. D. Kelly, age 35, married, employed on machine work and one of the firm of Kelly Bros'. Manufacturing Co., Muskegon, broke his leg while changing a belt with his foot.

November, 1893. Walter Steiner, age 18, single, helper in shop, employed by Gray Bros'. Manufacturing Co., Muskegon, had his hand cut in buzz planer, received no wages and paid his own expenses.

December, 1892. Jacob Breill, age 35, married, machine hand employed by Chicago & West Michigan R. R. Co., Muskegon, was out on head by emery wheel which broke. No wages were received while disabled, and he paid his own expenses.

Wm. Watters, age 40, married, machine hand, employed by Bredin & Langemans. Muskegon, while putting a belt on was caught on line shaft and killed.

May, 1893. Ed. Molan, age 24, married, machine hand, employed by Sargent Manufacturing Co., Muskegon, had hand caught in cog gearing and injured, lost no time, worked at lighter work.

January, 1893. John Smith, age 30, married, saw mill hand, employed by Stoples & Covell, Whitehall, had his leg cut by a band saw which broke, was disabled one month. received wages and paid his own expenses.

September, 1893, Lavs Gilrselom, age 40, married, machine hand, employed by C. E. & M. B. Covell, Whitehall, had his nose broken by a board flying back from saw, received no wages and paid his own expenses.

December, 1892. August Peterson, age 30, married, sawyer, employed by C. E. & M. B. Covell, Whitehall, had his hand cut and was disabled thirty days, received no wages and paid his own expenses.

November, 1893. Chas. Chasaner, age 40, married, sawyer, employed by C. E. & M. B. Covell, Whitehall, had one finger cut off. Was disabled thirty days, received no wages and paid his own expenses.

August, 1893. G. Malgrew, age 35, married, machine hand, employed by C. E. & M. B. Covell, Whitehall, was injured by a board flying back from saw and bruising chest. Paid his own expenses.

December 20, 1892. Wm. Neuffer, age 30, married, employed at bolt sawing by the Newfer Cedar Co., Whitehall, lost three fingers. Was disabled two months. Is a member of the firm.

December, 1892. Wm. Griswold, age 22, single, sawyer, employed by Sandusky Tool Co., Hart, lost three fingers, paid his own expenses and received no wages.

June 20, 1893. Robt. Hintz, age 16, single, employed at sorting shingles by the Buckley & Douglass Lumber Co., Manistee, was caught on line shaft and killed. Burial expenses were paid by the firm.

March, 1893. Wm. Swidenske, age 40, married, machine hand, employed by the Canfield Salt and Lumber Co., Eastlake, caught hand in lath saw and lost two fingers, was disabled thirty days, received no wages.

July 15, 1893. John Koreskie, age 35, sawyer, employed by the Canfield Salt and Lumber Co., Eastlake, was killed by the bursting of a slab saw.

June, 1893. H. Shafer, age 25, married, machine hand, employed by the Crane Manufacturing Co., Frankfort, had hand cut on buzz planer, received no wages while disabled.

May 24, 1893. John Sporre, age 30, married, yard hand, employed by the Wells Higman Co., Traverse City, was caught in cogs in peeling machine and lost both hands. Received no wages but firm paid expenses.

May, 1893. H. Lafayette, age 30, married, employed at machine work by Wm. Beitner, Traverse City, had three fingers cut on saw and was disabled thirty days. Received no wages and paid his own expenses.

July, 1893. R. Unelor, age 25, married, machine hand, employed by Wm. Beitner, Traverse City, caught hand on saw and cut finger. Was disabled thirty days, received no wages and paid his own expenses.

January 25, 1894. Chas. D. Vantyle, age 38, married, sawyer, employed by the Crystal Creamery Co., Lansing, caught hand on an unprotected rip saw and cut first finger and thumb.

September 20, 1893. Wm. Vickerman, age 35, married, bolter, employed by Wm. Davenport, Bellaire, had his hand cut. Received no wages while disabled.

August, 1893. Olney Eniger, age 30, married, bolter, employed by the South Arm Lumber Co., East Jordan, had his hand cut on bolting saw. Was disabled thirty days, received no wages.

October 20, 1893. Wm. Gaebraith, age 21, employed by Whitehall Lumber Co., Cheboygan, had his leg cut by bursting saw, was not well Nov. 28, 1893. Received no wages but expenses were paid by Standard Accident Co.

July, 1893. Joseph Busha, age 30, married, sawyer, employed by the Whitehall Lumber Co., Cheboygan, had his thigh cut, was disabled thirty days, received no wages, but Standard Accident Co. paid expenses.

May, 1893. Joseph Jacobson, age 25, married, employed at slab sawing by the Whitehall Lumber Co., Cheboygan, had his hand cut. Was disabled thirty days, received no wages, but expenses were paid by Standard Accident Insurance Co.

September 11, 1893. John Cambell, age 24, married, saw mill hand, employed by H. Henkel, lumber, and butter tubs, Howard City, had his toes cut off. No wages received while disabled.

September 21, 1893. Geo. Austin, age 24, single, employed by James Willett Bushnell, saw mill, Stanton, was killed by a boiler, which exploded. Burial expenses were paid by his father.

August 30, 1893. J. E. Clement, age 36, married, employed by Ballue Basket Works, Belding, general manager of the works, was injured by having two fingers on the left hand hurt while trying to adjust a machine for one of the men. Expenses were paid by the firm.

October 17, 1893. Charles Colvin, age 26, single, employed on surface planer by Belding Manufacturing Co., Belding, injured one finger on right hand, was disabled six days, received wages while disabled.

May 18, 1893. Frank Bussy, age 18, single, sawyer, employed by the Belding Manufacturing Co., Belding, had thumb cut off on a rip saw, was disabled twenty-six days, received wages during time of disability and firm paid expenses.

April 10, 1893. D. Cospe, age 24, single, employed by Ionia Furniture Co., Ionia, had four fingers cut off on a surface planer, was disabled fifty-three days, received wages and firm paid expenses.

May 25, 1893. Joseph Skalla, age 38, married, sawyer, employed by Skalla Furniture Co., Niles, lost sight of one eye by a piece of wood striking that organ. He is one of the firm. Was disabled two months and expenses were paid by the firm.

February, 1893. — Stroup, age 45, married, employed carrying wood by Ohio Paper Co., No. 2, was killed by ice sliding from roof. Firm paid funeral expenses.

August 25, 1893. James Snodgrass, age 45, single, engineer, employed by Niles Paper Co., Niles, was injured about face and head. He was disabled about one month, received wages during time disabled and all expenses paid by firm.

DEDUCTIONS FROM THE WORK OF INSPECTORS.

Persons interested in the welfare of the manufacturing interests and manufacturing population of Michigan will examine the tabulated reports of factories and manufacturing places inspected, each from his own standpoint. Each will draw conclusions in keeping with the questions he seeks to solve. The first year's inspection of factories and workshops is as full as the time occupied would warrant. The law was new and comparatively few of the people affected knew there was such a law. Inspectors were inexperienced in the work. It would not be strange if the first of this work should not be as satisfactory as could be wished. It is a pleasure to be able to say that as inspectors became more familiar with their work, and better understood the law governing them, increased efficiency became apparent, as shown by their reports and by personal investigations made by the Commissioner and Deputy Commissioner of Labor.

In the cities of Detroit, Grand Rapids, Saginaw and Bay City, it has been possible for inspectors in many cases to make more than one visit to a factory. In the other cities and villages it has been impossible to make a second visit.

When the Labor Bureau began inspecting factories September 1, inspectors were furnished the following blank.

Date No.
Location
Name of establishment.....
Running or idle.....
Full or part time.....
Average hours per week when running full time.....
Average hours per week at present.....
Number operatives employed when running full capacity.....
Number operatives employed now.....
Cause of reduction, if any.....
Prospects for return to full capacity.....
Have wages been reduced since April 1, 1893?.....
If so, what percentage.....
How do wages compare with one year ago?.....
If idle, when was establishment shut down?.....
Cause for shutting down.....
Prospects for resuming business.....

Inspectors were instructed to use great care in filling the above blanks, and to make diligent inquiry regarding the condition of labor in the factories inspected so that the information obtained would be accurate and reliable. The result of their work shows:

Whole number of factories inspected.....	2,066
Running whole or part time.....	1,689
Idle.....	377
Running full time.....	1,117
Running part time.....	572
Operatives out of employment in above factories as compared with when running full capacity.....	48,752
Loss of labor in hours, per week, in those running part time as compared with full time.....	32,627
Per cent of operatives idle.....	43.6
Per cent of loss of time in those running part time.....	26
Per cent of reduction in wages since April 1, 1893.....	9.5
Loss of labor in days (10 hours each) by working short time.....	706,676
Loss of labor in days by reason of men being laid off.....	1,056,294
Total loss of days in five months, between September 1, 1893, and February 1, 1894.....	1,763,060

One can hardly comprehend the immense loss to the factory laborers of this State, and yet, for a wonder, they are self supporting. No person studying the foregoing figures can fail to appreciate the importance to the factory employes of Michigan to have factories running on full time. Shutting down of factories means enforced idleness and following close on this comes want and privation.

An examination of the reports of the inspectors show in the 2,066 factories inspected the following information.

Number of males employed.....	60,773
Number of females employed.....	10,630
Total number employed.....	71,403
Number between 14 and 16 years of age.....	1,756
Number under 14 years of age.....	116
Number of places where children under 14 are employed.....	55
Number of changes of all kinds ordered.....	1,426
Number of fire escapes ordered.....	88
Number of elevators ordered protected.....	131
Number of sanitary changes ordered.....	28
Number saws ordered guarded.....	82
Number of belts ordered guarded.....	420
Number of miscellaneous orders.....	677
Number of orders reported complied with.....	170
Number of accidents reported.....	225
Number fatal accidents reported.....	17
Number other accidents reported.....	208

The figures given above are very nearly correct. It will be seen that women are filling a large number of places in our factories, and why should this not be so? There is no good reason why women should be denied an opportunity to gain an honest livelihood in any occupation adapted to their sex and physical strength.

The Michigan Legislature has sought to limit the age at which children should be employed in factories. This is unquestionably a move in the right direction. It will not conduce either to the physical or intellectual development of a boy or girl to be

confined for ten hours a day within the walls of a factory. Certainly the years up to fourteen should be spent in school. Upon the intelligence of the people rests the safety of a free government.

Another question enters into the consideration of child labor. The laboring men and women have no more serious competition to contend with than from the labor of children. Every child displaces a man or a woman. Beyond this comes another question. Stern necessity compels many children to not only support themselves, but to contribute to the support of others; perhaps a widowed mother, or helpless brothers and sisters. Many times a denial of an opportunity to labor means enforced pauperism. It will not add to the self respect of any person, either child or adult, to compel them to become statutory paupers, if that term may be used. With the enforcement of child labor laws arises a necessity for the enforcement of compulsory attendance at school and increased vigilance on the part of truant officers. Idleness many times begets mischief. It is not for the good of community or for the children themselves that they should be allowed to roam the streets, exposed to vile associations.

It is a question that demands the careful, unselfish consideration of all. In a sense the children of a community belong to the whole community. No person has a moral right to say, "I have no children of my own and am not interested." To properly solve the problem will demand the wisest counsels of lawmakers and people.

Fourteen hundred and twenty-six changes were ordered in factories inspected. The matter of fire escapes is receiving increased attention from all. Several disastrous fires like the Edson, Moore & Co. fire in Detroit, resulting in terrible loss of life, have only increased the demand that proper means of escape from buildings in case of fire, shall be provided.

This bureau has control of manufacturing places only. Good fire escapes are somewhat expensive, and with factories shutting down and running on part time, with proprietors and operators suffering from "hard times," it has not been easy to secure compliance at once with all orders from inspectors. Elevators, blowers or dust arresters, and all other points covered by the law have received careful attention from inspectors.

This report shows that only about twelve per cent of orders given have been complied with. It is known that a large number more are "obeying orders," and it is quite safe to say that at this time nearly one-half of the changes ordered are complied with or will be before the inspection of 1894 is completed.

In the factories inspected two hundred and twenty-five accidents were reported. Of these seventeen were fatal. Of the other 208 many of them were of a serious nature, while some, it will be seen, were trivial. Of the fatal and serious accidents, in forty-nine cases the injured were cared for by the firms employing them; twenty-five by insurance companies, while in thirty seven cases the firms and insurance companies divided the expenses. In fifteen other cases the firms partially assisted their unfortunate employes, and in ten cases their fellow employes rendered assistance. Of the whole number, fifty-seven received no outside assistance.

Many other points besides those enumerated here may be brought out by a careful examination of the details of the inspectors' reports. It is evident that the act providing for the inspection of factories is a necessity to protect the safety and health of those employed, and that with some necessary changes and an increased experience in enforcing it, the law will be productive of much good.

LAWS AFFECTING LABORERS EMPLOYED IN FACTORIES IN MICHIGAN.

In addition to act No. 126, session laws of 1893, which is given on page one (1) of this report, there are many legislative enactments in Michigan in the interests of owners and operators of factories as well as their employés. Most of them are very important and beneficial. Others are of less importance and are only partly enforced, while some are ignored and remain a "dead letter," on our statute books.

In this report are given some of the most important ones, which contain valuable information and will be more apt to be observed by those concerned when their import is fully known to owners, managers and operatives of factories.

[Act No. 170, Public Acts of 1883.]

AN ACT to provide for the construction of fire escapes from hotels, boarding and lodging houses, also to afford the necessary escape from fire in business places, and in buildings used for public and private assemblages.

* * * * *

SEC. 2. It shall be the duty of the owner, proprietor, or lessee of any building, factory, mill, warehouse, or workshop, more than two stories in height, where male or female help is employed above the second story in such building, to provide suitable ladders, or such other fire escapes as may be deemed necessary, for the escape of such help or other persons occupying such building, in cases of fire, as provided in section four of this act.

* * * * *

SEC. 4. It shall be the duty of the board of building inspectors, created by act number two hundred and twenty-six, of the public acts of eighteen hundred and seventy-nine, entitled "An act to provide for the safety of persons attending public assemblies," as amended by act number forty-one, of the public acts of eighteen hundred and eighty-one, to examine from time to time, at least once in each year, within their respective jurisdictions, any and all such places mentioned in the preceding sections of this act, and to submit without delay to their respective township or village boards, or common council, as the case may be, such recommendations, in addition to the provisions and requirements of this act, as they may deem proper and necessary for the protection against fire, and the escape therefrom, in the several places named in the preceding sections of this act.

[Act No. 137, Public Acts of 1885.]

AN ACT making ten hours a legal day's work.

SECTION 1. *The People of the State of Michigan enact*, That in all factories, workshops, salt blocks, saw mills, logging or lumber camps, booms or drives, mines or other places used for mechanical, manufacturing, or other purposes within the State of Mich-

igan, where men or women are employed, ten hours per day shall constitute a legal day's work, and any proprietor, stockholder, manager, clerk, foreman or other employers of labor who shall require any person or persons in their employ to perform more than ten hours per day, shall be compelled to pay such employés for all overtime or extra hours at the regular per diem rate, unless there be an agreement to the contrary.

SEC. 2. That in all contracts, engagements, or agreements to labor in any mechanical, manufacturing or other labor calling, where such contracts or agreements are silent, or no express conditions specified, ten hours shall constitute a day's work, and the contract or agreement shall be so construed.

SEC. 3. Any individual firm, agent of any corporation, or other employers of labor who shall take any unlawful advantage of any person or persons in their employ, or seeking employment, because of their poverty or misfortune, to invalidate any of the provisions of the preceding section, shall be deemed guilty of a misdemeanor, and upon conviction thereof, shall be fined not less than five dollars, nor more than fifty dollars for each offense, and it shall be the duty of the prosecuting attorney of the county in which such offense was committed, upon receiving complaint, to prosecute all such cases in the name of the People of the State of Michigan, before any justice of the peace or other competent court of jurisdiction.

SEC. 4. All fines collected for violation of this act shall be turned over to the school board, or board of education of the city or township wherein such fine may be collected, and the same shall by them be disbursed for and in benefit of the public schools.

SEC. 5. Nothing in this act shall be construed to apply to domestic or farm laborers or other laborers who agree to work more than ten hours per day.

Approved June 5, 1885.

[Act No. 91, Public Acts of 1886.]

AN ACT providing that all persons employing female help in stores shall provide seats for the same when not actively employed.

SECTION 1. *The People of the State of Michigan enact*, That all persons who employ females, in stores, shops, offices or manufactories, as clerks, assistants, operatives or helpers in any business, trade or occupation carried on or operated by them, shall be required to procure and provide proper and suitable seats for all such females, and shall permit the use of such seats, rests or stools as may be necessary, and shall not make any rules, regulations or orders preventing the use of such stools or seats, when such female employés are not actively employed in their work in such business or employment.

SEC. 2. If any employer of female help shall neglect or refuse to provide seats as provided in this act, or shall make any rules, orders or regulations in their shops, stores or other places of business requiring females to remain standing when not necessarily employed in service or labor therein, they shall be deemed guilty of a misdemeanor, and upon conviction thereof in any court of competent jurisdiction shall be liable to a fine therefor, in a sum not to exceed twenty-five dollars, with costs, in the discretion of the court.

Approved May 20, 1893.

[Act No. 93, Public Acts of 1893.]

AN ACT to amend section four of an act entitled "An act supplementary to an act entitled 'An act to establish the Detroit House of Correction, and to authorize the confinement of convicted persons therein,'" approved March twenty-seven, eighteen hundred and sixty-seven, being compiler's section nine thousand eight hundred and sixty-seven, of Howell's Annotated Statutes, and to add two new sections thereto, to stand as sections seven and eight of said act.

* * * * *

SEC. 3. That a new section be added to said act to stand as section eight, to read as follows:

SEC. 8. It shall not be lawful for the authorities of the said House of Correction to employ any free labor in or about such institution, except such as may be necessary for the control and management of such House of Correction and the care and detention of the persons confined therein.

Approved May 20, 1893.

[Act No. 111, Public Acts of 1893.]

AN ACT to amend section one and two of an act entitled "An act to provide blowers in establishments where emery wheels or emery belts are used," being act number one hundred and thirty-six of the session laws of eighteen hundred and eighty-seven; the same being compiler's sections one thousand six hundred and ninety z', one thousand six hundred and ninety z² of volume three of Howell's Annotated Statutes.

SECTION 1. *The People of the State of Michigan enact*, That sections one and two of an act entitled "An act to provide blowers in establishments where emery wheels or emery belts are used," being act number one hundred and thirty-six of the session laws of eighteen hundred and eighty-seven; the same being compiler's sections one thousand six hundred and ninety z', one thousand six hundred and ninety z², of volume three of Howell's Annotated Statutes, be and the same are hereby amended so as to read as follows:

SECTION 1. That all persons, companies, or corporations, operating any factory or workshop, where emery wheels or emery belts of any description are used, either solid emery, leather, leather covered, felt, canvas, linen, paper, cotton or wheels or belts rolled or coated with emery, or corundum, or cotton wheels used as buffs, shall provide the same with blowers, or similar apparatus, which shall be placed over, beside or under such wheels or belts in such a manner as to protect the person or persons using the same from the particles of dust produced and caused thereby, and to carry away the dust arising from, or thrown off by such wheels or belts while in operation, directly to the outside of such building or to some receptacle placed so as to receive and confine such dust: *Provided*, That grinding machines upon which water is used at the point of the grinding contact shall be exempt from the conditions of this act.

SEC. 2. Any such person or persons and the managers or directors of any such corporation who shall have [the] charge or management of such factory or workshop, who shall fail to comply with the provisions of this act, shall be deemed guilty of a misdemeanor, and upon a conviction thereof before any court of competent jurisdiction shall be punished by a fine not less than twenty-five dollars, and not exceeding one hundred dollars, or imprisonment in the county jail not less than thirty days or exceeding ninety days, or both such fine and imprisonment in the discretion of the court.

Approved May 25, 1893.

[Act No. 192, Public Acts of 1893.]

AN ACT to protect toilers against unjust demands of employers of labor; to give redress to employes discharged in certain cases, and to punish employers, their agents, clerks and servants for any violation of this act.

SECTION 1. *The People of the State of Michigan enact*, That it shall be unlawful for any employer of labor, by himself, his agent, clerk or servant to require any employé, or person seeking employment, as a condition of such employment, or continuance therein, to make and enter into any contract, oral or written, whereby such employé or applicant for employment shall agree to contribute directly or indirectly to any fund for charitable, social or beneficial purpose or purposes.

SEC. 2. It shall be unlawful for any such employer, by himself, his agent, clerk or servant, to deduct from the wages of any employé, directly or indirectly, any part thereof without the full and free consent of such employé, obtained without intimidation or fear of discharge for refusal to permit such deduction.

SEC. 3. If the employer be a firm or corporation, each and every member of said firm, and each and every managing officer of the corporation, shall be liable to punishment under this act; and any clerk, servant or agent of any such employer who shall do or attempt to do any act forbidden by this act, shall be equally liable with his employer or employers as principal, for any such violation of this act.

SEC. 4. Any person who shall violate any provision of the first three sections of this act shall be deemed guilty of a misdemeanor, and on conviction thereof shall be punished by a fine of not less than twenty-five dollars and not more than one hundred dollars, or by imprisonment in the county jail for a period of not less than ten nor more than ninety days for each offense.

Approved June 1, 1893.

LAWS OF DIFFERENT STATES
PROVIDING FOR THE
INSPECTION OF WORKSHOPS
AND
FACORIES.



CONNECTICUT.

[General Statutes.]

CHAPTER CXLV.

SEC. 2263. The governor shall, with the consent of the senate, within sixty days after the organization of the general assembly in January, 1899, and every two years thereafter, appoint an inspector of factories, who shall hold his office from the first day of the succeeding July for a term of two years, and until his successor is appointed and qualified. In case of vacancy in the office of inspector through death, resignation, inability, or removal, the governor shall fill the same until filled in the manner above provided for the appointment of inspector; and the governor may remove the inspector for cause.

SEC. 2264. The inspector of factories shall, as often as practicable, carefully examine all buildings and places where machinery shall be used, and shall have authority to enter such buildings and places at all proper times for the purposes of such inspection. He shall, on or before the first day of December in each year, make a report to the governor of the condition, as respects safety to life and health, of the factories, buildings and places visited by him, and such report shall be printed for the use of the general assembly at each of its regular sessions.

SEC. 2265. All factories and buildings where machinery shall be used shall be well ventilated, and kept as clean as the nature of the business will permit. The belting, shafting, gearing, machinery, and drums of all factories and buildings where machinery shall be used, when so placed as, in the opinion of the inspector, to be dangerous to persons employed therein while engaged in their ordinary duties, shall, as far as practicable, be securely guarded. No machinery other than steam engines in a factory shall be cleaned while running, after notice forbidding the same is given by the inspector to the owners or operators of the factory.

SEC. 2266. The inspector may order the opening of all hoistways, hatchways, elevator wells, and wheel-holes upon every floor of any factory or other building where machinery shall be used to be protected by good trap-doors, self-closing hatches, and safety-catches, or other safeguards such as will insure the safety of the employes in such factory or other building where machinery shall be used, and all due diligence shall be used to keep such trap-doors closed at all times, except when in actual use by an occupant of the building having the use and control of the same.

SEC. 2267. Every person or corporation managing or operating any factory, or owning or controlling the use of any other building where more than five persons shall be employed at labor, shall provide suitable water-closet accommodations for the use of the persons employed, and shall keep the same in good sanitary condition.

SEC. 2268. It shall be the duty of the inspector to enforce the provisions of this chapter by giving proper orders or notices to the persons or corporations owning, operating, or managing the factories or buildings inspected by him, and also to make complaint to the state's attorneys in the several counties respectively of all violations of this chapter.

SEC. 2269. Any person, firm, or corporation being the owner, lessee, or occupant of any factory or building included within the provisions of this chapter, or owning or controlling the use of any room in such building, shall, for a violation of any provision of sections 2265, 2266, or 2267, forfeit to the use of the state not less than fifty nor more than five hundred dollars, and shall also be liable to any employé for all damages suffered by him by reason of such violation. It shall be the duty of the state's attorneys in the several counties to collect forfeitures under this chapter, but no suit shall be brought for any such violation, either in behalf of any person or the state, until four weeks after notice has been given by the inspector to such person, firm, or corporation of any changes necessary to be made to comply with the provisions of said sections, and not then, if, in the meantime, such changes have been made in accordance with such notification. Nothing herein shall be construed as limiting in any way the right of a person injured to bring an action to recover damages for the same as though this chapter had not been enacted.

SEC. 2270. The orders and notices given by the inspector under this chapter shall be written or printed, and signed by him officially, and may be served by himself or any proper officer or indifferent person, by leaving an attested copy thereof with or at the usual place of abode of the person upon whom service is to be made; and the notice, properly indorsed with the doings of the person or officer serving the same, shall be returned to the office of the town clerk of the town in which is located the factory, building, or business to which such notice appertains, where it shall be kept on file. Such notice, and copies thereof duly certified by the town clerk, shall be *prima facie* evidence that notice was given as therein appears. Notice to one member of a firm shall be notice to every member thereof, and notice to the president, secretary or treasurer of a corporation shall be notice to such corporation. The fees for serving such orders and notices, unless served by the inspector, shall be the same as for the service of process in civil actions, and shall be included in the necessary expenses of the inspector and paid by the state.

SEC. 2271. It shall be the duty of the comptroller to provide suitable rooms in the capital at Hartford for the use of the inspector, and to furnish him blank forms for the purpose of giving the notices and orders required by this chapter, and for annual reports to be made to the governor. The inspector shall keep, in books provided by the comptroller for that purpose, copies of all notices and orders given by him, and a record of all inspections and examinations made, and upon the expiration of his term of office shall file his books of record with the secretary of the state.

SEC. 2272. The inspector may from time to time employ special agents to assist him in his inspections and examinations, who shall receive compensation for the time actually employed in such service only. The total amount expended under this section

shall not exceed in any one year the sum of fifteen hundred dollars, which shall be paid by the state upon proper vouchers by the special agents, which shall be signed by the inspector.

[Public Acts of 1889.]

CHAPTER CLXXIII.

An act concerning printing of reports of the inspector of factories.

Be it enacted by the Senate and House of Representatives in General Assembly Convened:

SECTION 1. The comptroller shall annually cause to be printed, at the expense of the state, five thousand copies of the report of the inspectors of factories.

SEC. 2. This act shall take effect upon its passage.

Approved June 4, 1889.

[Public Acts of 1889.]

CHAPTER CCXXV.

An act relating to factories.

Be it enacted by the Senate and House of Representatives in General Assembly convened:

Section 2269 of the general statutes is hereby amended by inserting between the words "sections" and the figures "2265" in the fifth line thereof, the figures "2264," so that the first sentence of said section as amended shall read as follows: Any person, firm, or corporation being the owner, lessee, or occupant of any factory or building included within the provisions of this chapter, or owning or controlling the use of any room in such building, shall, for a violation of any provision of sections 2264, 2265, 2266, 2267, forfeit to the use of the state not less than fifty nor more than five hundred dollars, and shall also be liable to any employé for all damages suffered by him by reason of such violation.

Approved June 19, 1889.

NEW YORK.

SECTION. 1. No person under eighteen years of age and no woman under twenty-one years of age employed in any manufacturing establishment, shall work therein more than sixty hours in any one week, nor more than ten hours in any one day, unless for the purpose of making a shorter work day on the last day of the week, nor more hours in any one week than will make an average of ten hours per day for the whole number of days in which such person or such woman shall so work during such week; and in no case shall any person under eighteen years of age, or any woman under twenty-one years of age, work in any such establishment after nine o'clock in the evening or before six o'clock in the morning of any day. [As amended by chapter 398, Laws of 1890.]

SEC. 2. No child under fourteen years of age shall be employed in any manufacturing establishment within this state. It shall be the duty of every person employing children to keep a register, in which shall be recorded the name, birthplace, age, and place of residence of every person employed by him under the age of sixteen years; and it shall be unlawful for any manufacturing establishment to hire or employ any child under the age of sixteen years without there is first provided and placed on file an affidavit made by the parent or guardian, stating the age, date, and place of birth of said child. If said child have no parent or guardian, then such affidavit shall be made by the child, which affidavit shall be kept on file by the employer, and which said register and affidavit shall be produced for inspection on demand made by the inspector, assistant inspector, or any of the deputies appointed under this act. [As amended by chapter 560, Laws of 1889.]

SEC. 3. Every person, firm, or corporation employing any person under eighteen years of age, or any woman under twenty-one years of age, in any manufacturing establishment, shall post and keep posted in a conspicuous place in every room where such help is employed, a printed notice stating the number of hours per day for each day of the week required of such persons, and in every room where children under sixteen years of age are employed, a list of their names with their ages respectively. [As amended by chapter 398, Laws of 1890.]

SEC. 4. No child under the age of sixteen years shall be employed in any manufacturing establishment who cannot read and write simple sentences in the English language, except during the vacation of the public schools in the city or town where such minor lives. The factory inspector, assistant inspector, and deputy inspectors shall have power to demand a certificate of physical fitness from some regular physician, in the case of children who may seem physically unable to perform the labor at which

they may be employed, and shall have power to prohibit the employment of any minor that cannot obtain such a certificate. [*As amended by chapter 560, Laws of 1889.*]

SEC. 5. The words "manufacturing establishment," wherever used in this act, shall be construed to mean any place where goods or products are manufactured, repaired, cleaned or sorted, in whole or in part; but no other person or corporation employing less than five persons or children, excepting in any of the cities of this state, shall be deemed a manufacturing establishment within the meaning of this act.

SEC. 6. Upon the expiration of the term of office of the present factory inspector, and upon the expiration of the term of office of each of his successors, the governor shall, by and with the advice and consent of the senate, appoint a factory inspector; and upon the expiration of the term of office of the present assistant factory inspector, and upon the expiration of the term of office of each of his successors, the governor shall, by and with the advice and consent of the senate, appoint an assistant factory inspector. Each factory inspector and assistant factory inspector shall hold over and continue in office, after the expiration of his term of office, until his successor shall be appointed and qualified. The factory inspector is hereby authorized to appoint from time to time not exceeding eight men and not exceeding eight women to be deputy factory inspectors, and to remove the same at any time. The term of office of the factory inspector and of the assistant factory inspector shall be three years each. Annual salaries shall be paid in equal monthly installments, as follows: To the factory inspector, two thousand dollars; to the assistant factory inspector, fifteen hundred dollars; to each deputy factory inspector, one thousand dollars.

SEC. 7. All necessary expenses incurred by the factory inspector and assistant factory inspector in the discharge of their duties, not exceeding thirty-five hundred dollars in any one year, shall be paid by the treasurer upon the warrant of the comptroller, issued upon proper vouchers therefor. The reasonable necessary traveling and other expenses of the deputy factory inspectors, while engaged in the performance of their duties shall be paid in like manner upon vouchers approved by the factory inspector and audited by the comptroller. All such expenses shall be payable monthly.

SEC. 8. It shall be the duty of the owner, agent or lessee of any manufacturing establishment where hoisting-shafts or well-holes are used, to cause the same to be properly and substantially inclosed or secured, if, in the opinion of the factory inspector or of the assistant factory inspector, or a deputy factory inspector, unless disapproved by the factory inspector, it is necessary to protect the life or limbs of those employed in such establishment. It shall also be the duty of the owner, agent or lessee of each of such establishments to provide or cause to be provided such proper trap or automatic doors, so fastened in or at all elevator ways as to form a substantial surface when closed, and so constructed as to open and close by action of the elevator in its passage, either ascending or descending; but the requirements of this section shall not apply to passenger elevators that are enclosed on all sides.

SEC. 9. Proper and substantial hand rails shall be provided on all stairways in manufacturing establishments, and where, in the opinion of the factory inspector, or of the assistant factory inspector, or a deputy factory inspector, unless disapproved by the factory inspector, it is necessary, the steps of said stairs in all such establishments shall be substantially covered with rubber, securely fastened thereon, for the better safety of persons employed in said establishments. The stairs shall be properly screened at the sides and bottom, and all doors leading in or to such factory shall be so constructed as

to open outwardly where practicable, and shall be neither locked, bolted nor fastened during working hours.

SEC. 10. If, in the opinion of the factory inspector, it is necessary to insure the safety of the persons employed in any manufacturing establishment, three or more stories in height, one or more fire escapes, as may be deemed by the factory inspector as necessary and sufficient therefor, shall be provided on the outside of such establishment, connecting with each floor above the first, well fastened and secured and of sufficient strength, each of which fire escapes shall have landings or balconies not less than six feet in length and three feet in width, guarded by iron railings not less than three feet in height, and embracing at least two windows at each story and connecting with the interior by easily accessible and unobstructed openings, and the balconies or landings shall be connected by iron stairs, not less than twenty-four inches wide, the steps not to be less than six inches tread, placed at not more than an angle of forty-five degrees slant, and protected by a well secured hand rail on both sides with a twelve inch wide drop ladder from the lower platform reaching to the ground. Any fire escape so constructed shall be sufficient. Any other plan or style of fire escape shall be sufficient if approved by the factory inspector, but if not so approved, the factory inspector may notify the owner, proprietor or lessee of such establishment or of the building in which such establishment is conducted, or the agent or superintendent, or either of them, in writing, that any such other plan or style of fire escape is not sufficient, and may, by an order in writing, served in like manner, require one or more fire escapes, as he shall deem necessary and sufficient, to be provided for such establishment, at such locations and of such plan and style as shall be specified in such written order. Within twenty days after the service of such order, the number of fire escapes required in such order for such establishment shall be provided therefor, each of which shall be either of the plan and style and in accordance with the specifications in said order required, or of the plan and style in this section above described, and declared to be sufficient. The windows or doors to each fire escape shall be located as far as possible consistent with accessibility, from the stairways and elevator hatchways or openings, and the ladder thereof shall extend to the roof. Stationary stairs or ladders shall be provided on the inside of each such establishment from the upper story to the roof, as a means of escape in case of fire.

SEC. 11. It shall be the duty of the owner, agent, superintendent, or other person having charge of each manufacturing establishment, or of any floor or part thereof, to report in writing to the factory inspector all accidents or injury done to any person in such factory, within forty-eight hours of the time of the accident, stating as fully as possible the extent and cause of such injury, and the place where the injured person has been sent. The factory inspector or assistant factory inspector and any deputy factory inspector, under the supervision of the factory inspector, are hereby authorized and empowered to fully investigate the causes of such accidents, and to require such precautions to be taken as will, in their judgment, prevent the occurrence of similar accidents thereafter.

SEC. 12. It shall be the duty of the owner of any manufacturing establishment or his agents, superintendent, or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied therein, in the discretion of the factory inspector, or of the assistant factory inspector, or of a deputy factory inspector, unless disapproved by the factory inspector, where machinery is in use, belt-shifters or other

safe mechanical contrivances, for the purpose of throwing on or off belts or pulleys; and wherever possible machinery therein shall be provided with loose pulleys; all vats, pans, saws, planers, cogs, gearing, and machinery of every description therein shall be properly guarded. Exhaust fans shall be provided for the purpose of carrying off dust from emery wheels and grindstones, and dust-creating machinery therein. No person under eighteen years of age and no woman under twenty-one years of age shall be allowed to clean machinery therein while in motion.

SEC. 13. A suitable and proper wash-room and water-closets shall be provided in each manufacturing establishment, and such water-closets shall be properly screened and ventilated and be kept at all times in a clean condition, and if women or girls are employed in any such establishment, the water-closets used by them shall be separate and apart from those used by men. A dressing room shall be provided for women and girls, when required by the factory inspector, in any such establishment in which women and girls shall be employed.

SEC. 14. Not less than forty-five minutes shall be allowed for the noonday meal, in any manufacturing establishment in this state. The factory inspector, the assistant factory inspector, or any deputy factory inspector shall have power to issue written permits in special cases, allowing shorter meal-time at noon, and such permit must be conspicuously posted in the main entrance of the establishment, and such permit may be revoked at any time the factory inspector deems necessary, and shall only be given where good cause can be shown.

SEC. 15. It shall be the duty of the factory inspector and of the assistant factory inspector, and of each of the deputy factory inspectors, under the supervision and direction of the factory inspector, to cause this act to be enforced, and to cause all violators of this act to be prosecuted, and for that purpose they and each of them are hereby empowered to visit and inspect, at all reasonable hours and as often as shall be practicable and necessary, all manufacturing establishments in this state. The factory inspector may divide the state into districts and assign one or more deputy factory inspectors to each district, and transfer them from one district to another as the best interests of the state may, in his judgment, require. Any deputy factory inspector may be appointed to act as clerk in the main office of the factory inspector, which shall be furnished in the capitol and set apart for the use of the factory inspector. The assistant factory inspector and the deputy factory inspectors shall make reports to the factory inspector from time to time, as may be required by the factory inspector, and the factory inspector shall make an annual report to the legislature during the month of January. The factory inspector, assistant factory inspector, and each deputy factory inspector shall have the same powers as a notary public to administer oaths and take affidavits in matters connected with the enforcement of the provisions of this act. [Sections 5 to 15, inclusive, amended by chapter 398, laws of 1890.]

SEC. 16. The district attorney of any county of this state is hereby authorized, upon the request of the factory inspector, or either of his deputies or of any other person of full age, to commence and prosecute to termination before any recorder, police justice, or court of record, in the name of the people of the state, actions or proceedings against any person or persons reported to him to have violated the provisions of this act. [As amended by chapter 462, laws of 1887.]

SEC. 17. Any person who violates or omits to comply with any of the foregoing provisions of this act, or who suffers or permits any child to be employed in violation of its

provisions, shall be guilty of a misdemeanor, and, on conviction, shall be punished by a fine of not less than twenty nor more than one hundred dollars, or by imprisonment for not less than thirty nor more than ninety days, or by both such fine and imprisonment. [As amended by chapter 560, laws of 1889.]

SEC. 18. A copy of this act shall be posted in each workroom of every manufacturing establishment in this, state, where persons are employed who are affected by the provisions of this act.

SEC. 19. All acts or parts of acts inconsistent with the provisions of this act are hereby repealed.

SEC. 20. This act shall take effect immediately.

OHIO.

SECTION 2. The governor shall appoint one chief inspector, by and with the advice and consent of the senate, who, with the approval of the governor, shall appoint three district inspectors. The chief inspector and district inspectors shall be competent and practical mechanics. The chief inspector shall hold his office for a term of four years, and shall have his office in the state house, where shall be kept the records of his office, and the district inspectors shall hold their office for the term of three years from the first day of May after their respective appointments, and until their successors are appointed and qualified; the first appointment hereunder shall be made within thirty days from the passage of this act; in case of the resignation, removal, or death of the chief inspector, the vacancy shall be filled in the manner above provided for the original appointments for the unexpired term only of the position so made vacant.

SEC. 3. The chief inspector and district inspectors shall give their whole time and attention to the duties of their offices respectively; it shall be their duty to visit all shops and factories in their respective districts as often as possible, to see that all the provisions and requirements of this act are strictly observed and carried out; they shall carefully inspect the sanitary condition of the same [and it shall be their duty], to examine the system of sewerage in connection with said shops and factories, the situations and conditions of water closets or urinals in and about such shops and factories, and also the system of heating, lighting, and ventilating all rooms in such shops and factories where persons are employed at daily labor; also as to the means of exit from all such places in case of fire or other disaster, and also all belting, shafting, gearing, elevators, drums, and machinery of every kind and description in and about such shops and factories, and see that the same are not located so as to be dangerous to employes when engaged in their ordinary duties, and that the same, so far as practicable, are securely guarded, and that every vat, pan, or structure filled with molten metal or hot liquid shall be surrounded with proper safeguards for preventing accident or injury to those employed at or near them; and that all such are in a proper sanitary condition, and are adequately provided with means of escape in case of fire or other disaster.

[Supplementary section 2573b, as amended March 19, 1899.]

SEC. 2573b. That said inspectors shall have entry into all such shops and factories, including all public institutions of the state which have shops and factories, or either, at any reasonable time, and it shall be unlawful for the proprietors, agents, or servants

in such factories or shops to prevent, at reasonable hours, his entry into such shops and factories for the purpose of such inspection.

SEC. 2573c. That said inspectors, if they find upon such inspection that the heating lighting, ventilation, or sanitary arrangement of any such shop or factory is such as to be injurious to the health of persons employed or residing therein, or that the means of egress in the case of fire or other disaster is not sufficient, or that the belting, shafting, gearing, elevators, drums, and machinery in such shops and factories are located so as to be dangerous to employes, and not sufficiently guarded, or that the vats, pans, or structures filled with molten metal or hot liquid are not surrounded with proper safeguards for preventing accident or injury to those employed at or near them, shall notify the owners, proprietors, or agents of such shops or factories to make the alterations or additions necessary within *thirty* (30) days; and if such alterations or additions are not made within *thirty* (30) days from the date of such notice, or within such time as said alterations can be made with proper diligence upon the part of such proprietors or owners, said proprietors, owner, or agent so notified shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined not more than *two hundred* (200) and not less than *ten* (10) dollars, which fine shall be paid into the treasury of the county in which conviction is had.

SEC. 4. The district inspector shall make a record of all examinations of shops and factories in their respective districts, showing the date when made, the conditions in which such shops and factories are found, and what changes were ordered, the number of shops and factories in their respective districts, the number of men, women, and children employed in each shop or factory, together with all such other facts and information of public interest concerning the condition of such shops and factories as they may think useful and proper, which record shall be filed in the office of the chief inspector every week, to be by him recorded, and so much thereof as may be of public interest to be included in his annual report.

SEC. 5. The chief inspector shall issue such instructions, make such rules and regulations for the government of the district inspectors, not inconsistent with the powers and duties vested in them by law, as shall secure uniformity of action and proceedings throughout the different districts.

Relating to the employment of minors in workshops and factories.

SEC. 6986. That no minor under the age of twelve years shall be employed in any factory, workshop, or establishment wherein the manufacture of any goods of any kind is carried on.

[Section 6986aa, as amended March 21, 1887.]

SEC. 6986aa. No minor under the age of eighteen years shall be employed in any of the places named for a longer period than ten hours a day, and in no case shall the hours of labor exceed sixty in one week; and every employer shall post in a conspicuous place in every room where such persons are employed, a printed notice, stating the number of hours required of them in each day of the week; the form of such printed notice shall be furnished by the chief inspector of workshops and factories, and shall be approved by the attorney general; and it shall also be the duty of every employer of minors to keep a record, which shall be open to the inspection of the chief inspector of

workshops and factories and his assistants, giving the name of each minor employed, his or her name, date and place of birth, and also present residence of parents or guardians.

SEC. 6986bb. Any person or corporation who shall employ any person contrary to the provisions of this act, or who shall violate any of the provisions of this act, shall, upon conviction thereof, be fined in any sum not less than fifty nor more than one hundred dollars, or imprisonment not less than thirty nor more than ninety days.

SEC. 6986c. It shall be the duty of the inspector of shops and factories to prosecute all violations of this act, when the same shall come to his knowledge, in any court of competent jurisdiction.

To prevent the engagement of children at such employment whereby their lives and limbs may be endangered, or their health injured, or their morals likely to be impaired.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That no child under the age of sixteen years shall be employed by any person, firm, or corporation in this state, at employment whereby its life or limb is endangered, or its health is likely to be injured, or its morals may be depraved by such employment.

SEC. 2. Any person, firm, or corporation in this state who willfully causes or permits the life or limb of any child under the age of sixteen years to be endangered, or its health to be injured, or its morals to become depraved from and while actually in their employ, or who willfully permits such child to be placed in such a position or to engage in such employment that its life or limb is in danger, or its health likely to be injured, or its morals likely to be impaired by such position or employment; shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in any sum not less than ten (10) dollars nor more than fifty (50) dollars, or imprisonment not less than thirty nor more than ninety days for each and every offense.

SEC. 3. It shall be the duty of the state inspector of workshops and factories to enforce the provisions of this act.

SEC. 4. This act shall take effect and be in force from and after its passage.

For the preservation of the health of female employées.

[Section 1, as amended March 1, 1889.]

SECTION 1. That every person or corporation employing female employées in any manufacturing, mechanical, or mercantile establishment in this state shall provide suitable seats for the use of the female employées so employed, and shall permit the use of such by them when they are not necessarily engaged in the active duties for which they are employed, and shall permit the use of such seats at all times when such use would not actually and necessarily interfere with the proper discharge of the duties of such employées.

SEC. 2. Any person or corporation violating any of the provisions of this act shall be punished by a fine of not less than ten dollars nor more than seventy-five dollars for each offense.

To provide for the collection of information relative to accidents occurring in the workshops and factories, etc., of the state.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That it shall be the duty of all manufacturers of the state to forward by mail to the chief inspector of workshops and factories, at Columbus, a report of each and every serious accident resulting in bodily injury to any person which may occur in their establishment, giving particulars of the same as fully as can be ascertained, upon blanks which shall be furnished by the chief inspector of workshops and factories. If death shall result to any employé from any such accident, said report shall contain the age, name, sex, and employment of the deceased, whether married, the number of persons, if any, deprived of support in consequence thereof, and the cause of accident, if known. If the accident has caused bodily injury of such a nature as to prevent the person injured from returning to his or her employment within six or more days after the occurrence of the accident, then the report shall contain the age, name, sex, and employment of the disabled, the nature and extent of the injury received, how caused, if known, how long continually disabled, loss of time and wages therefrom, and if possible, the expense thereby incurred in full.

PENALTY FOR FAILURE TO REPORT.

SEC. 2. That any manufacturer who shall fail to comply with the requirements of this act in each case of death by accident within seven days thereafter, and in each case of injury by accident within thirty days thereafter, shall be fined in any sum not less than ten dollars nor more than fifty dollars.

THE TERM "MANUFACTURER" DEFINED.

The term manufacturer, as applied in section one and in section two of this act, shall be held to mean any person who, as owner, manager, lessee, assignee, receiver, contractor, or who, as agent of any incorporated company, makes or causes to be made, any kind of goods or merchandise, or who owns, controls, or operate any street railway, laundrying establishment, or is engaged in the construction of buildings, bridges, or structures, or in loading or unloading vessels, or cars, or moving heavy materials, or operating dangerous machinery, or in the manufacture or use of explosives.

SEC. 3. It shall be the duty of the chief inspector of workshops and factories to supply all blanks necessary to make said reports, as required in this act, and to prosecute all violations of this act when the same shall come to his knowledge; provided, that the furnishing of said blanks shall be a condition precedent to prosecution in any case.

Passed March 21, 1888.

Relating to examination of public halls, etc., as to safety in case of fire.

SEC. 2568. On application of the owner or person having control of an opera house, hall, theatre, church, school-house, or other building, except buildings where secret societies are held, used for public assemblages, in any municipal corporation, the mayor, civil engineer, and chief engineer of the fire department, or if such corporation has no such engineer, the mayor and two members of council, shall carefully make a joint examination of such opera house, hall, theatre, church, school-house, or other building, to ascertain the means provided thereat and therein for the speedy and safe

egrees of the persons that may at any time be there assembled, and the means provided for extinguishing a fire, at or in such place; provided, that when the assembly rooms of such church are situated upon the ground floor, with a sufficient number of low windows, in the opinion of the commission above provided for, to secure safe and easy means of escape in case of alarm, they shall grant the certificate mentioned in the next following section. (62 v. 139, sec. 3; 74 v. 61, sec. 1.)

Sec. 2569. If, upon such examination, it is found that such opera house, hall, theatre, church, school-house, or other building is abundantly provided with means for speedy and safe egress of the persons who may at any time be there assembled, and, if above the first floor, that it is provided therein with water, or other equally efficient agency, and proper means to apply it, so that any fire which may occur at such place can be immediately extinguished, the mayor, and persons so acting with him, or a majority of the three, shall issue to such owner or person having control as aforesaid, a certificate of the fact, which shall continue in force one year, unless sooner revoked by council. (62 v. 139, sec. 3.)

Sec. 2570. If any change or alteration is made in such building, the owner or person having charge of it shall notify the mayor of the fact, who shall cause to be made a re-examination in all respects like that provided for in the last section, and if upon such examination such owner, or person having control, is entitled to such certificate as is mentioned in the last section, it shall be issued to him, with like effect. (62 v. 139, sec. 3.)

Sec. 2571. If any owner or person having control of such place, as aforesaid, shall feel himself aggrieved by the refusal of such officers to issue any such certificate, he may appeal from the decision to the council, which shall appoint three disinterested persons to examine the premises, any two of whom may issue the certificate provided for in sections *two thousand five hundred and sixty-nine* and *two thousand five hundred and seventy*. (62 v. 139, sec. 3.)

Sec. 2572. Whoever, being the owner or having control as an officer, agent, or otherwise, of any opera house, hall, theatre, church, school-house, or other place, for [the] public assemblage of people, in a municipal corporation, permits it to be used when any door affording exit therefrom is locked or barred, or opens inwardly; when the place is not provided with ample means for the safe and speedy egress of the persons who may be so assembled; when, if it is on another than the first floor, sufficient water and proper means to apply it, or other efficient means, are not provided in such place to extinguish any fire which may occur thereat; or when the certificate provided for in section *twenty-five hundred and sixty-nine* or section *twenty-five hundred and seventy*, as the case may be, has not been issued, or is not in full force, shall, for each day or night he permits such place to be so used or occupied, forfeit or pay any sum not more than *one thousand* dollars, and not less than *fifty* dollars, to be recovered with costs, in a civil action, in the name and for the use of the municipal corporation; and it shall be the duty of the mayor, with the aid of the police, to see that the provisions of this section are strictly enforced. (62 v. 139, sec. 4.)

[Supplemental section 2572a, as passed February 19, 1889.]

Sec. 2572a. That whenever any structure referred to in section 2572 shall have been inspected by the state inspector of shops and factories, and such inspector shall have issued to the owner thereof or his agent, a certificate that such structure is properly

arranged for the safe and speedy egress of persons who may be assembled therein, and also properly provided for the extinguishment of fire at or in such structure, as now provided by law, then such certificate shall dispense with all other inspections and certificates required by law in regard to the safety of such structures for public assemblages.

[Sections 2572b, as passed April 24, 1890.]

SEC. 2572b. It shall be the duty of the state inspector of workshops and factories, or his assistants, to make inspections of such buildings as is provided for in sections 2568 and 2569 of the revised Statutes of Ohio, as often as he may deem necessary, or upon the written demand of the agent or owner of such structure, or upon the written request of five or more citizens of the municipal corporation where such structure is located.

PENNSYLVANIA.

SECTION 1. *Be it enacted, etc.,* That no minor shall be employed at labor in factories or any manufacturing establishments or mercantile industry in this state for a longer period than sixty hours in any week, unless for the purpose of making necessary repairs.

SEC. 2. No child under twelve years of age shall be employed in any factory, manufacturing, or mercantile establishment within this state. It shall be the duty of every person so employing children to keep a register, in which shall be recorded the name, birthplace, age, and place of residence of every person so employed by him under the age of sixteen years. And it shall be unlawful for any factory, manufacturing, or mercantile establishment to hire or employ any child under the age of sixteen years, without there is first provided and placed on file an affidavit made by the parent or guardian, stating the age, date, and place of birth of said child. If said child have no parent or guardian, then such affidavit shall be made by the child, which affidavit shall be kept on file by the employer, and which said register and affidavit shall be produced for inspection on demand by the inspector or any of the deputies appointed under this act.

SEC. 3. Every person, firm, or corporation employing women or children or either in any factory, manufacturing, or mercantile establishment, shall post and keep posted in a conspicuous place in every room where such help is employed, a printed notice stating the number of hours per day for each day of the week required of such persons, and in every room where children under sixteen years of age are employed a list of their names with their age.

SEC. 4. No person, firm or corporation employing less than ten persons, who are women or children, shall be deemed a factory, manufacturing, or mercantile establishment within the meaning of this act.

SEC. 5. The governor shall, immediately after the passage of this act, appoint, with the advice and consent of the senate, a factory inspector at a salary of fifteen hundred dollars per year, whose term of office shall be three years. The said inspector shall be empowered to visit and inspect, at all reasonable hours and as often as practicable, the factories, workshops, and other establishments in the state employing women or children, where the manufacture of goods is carried on, and to report to the bureau of labor statistics of this state, on or before the thirtieth day of November of each year, the name of the factory, the number of such hands employed, and the number of hours' work performed each week. It shall also be the duties of said inspector to enforce the provisions of this act, and to prosecute all violations of the same before any magistrate or any court of competent jurisdiction in the state.

SEC. 6. All necessary expenses incurred by said inspector in the discharge of his duty shall be paid from the funds of the state upon the presentation of proper vouchers for the same; provided, that not more than twenty-five hundred dollars shall be expended by him therefor in any one year.

SEC. 7. It shall be the duty of the owner, agent, or lessee of any such factory, manufacturing, or mercantile establishment, where hoisting-shafts or well-holes are used to cause the same to be properly and substantially enclosed or secured, if, in the opinion of the inspector it is necessary, to protect the life or limbs of those employed in such establishment. It shall be the duty of the owners, agent, or lessee, to provide, or cause to be provided, such proper trap or automatic doors, so fastened in or at all elevator ways as to form a substantial surface when closed, and so constructed as to open and close by action of the elevator in its passage either ascending or descending.

SEC. 8. It shall also be the duty of the owner of such factory, mercantile industry, or manufacturing establishment, or his agent, superintendent, or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied, in the discretion of the inspector, where dangerous machinery is in use, automatic shifters or other mechanical contrivances for the purpose of throwing on or off belts on pulleys. And no minor under sixteen years of age shall be allowed to clean machinery while in motion. All gearing and belting shall be provided with proper safeguard.

SEC. 9. It shall be the duty of the owner or superintendent to report in writing, to the factory inspector, all fatal accidents or serious injury done to any person employed in such factory, within forty-eight hours, stating as fully as possible the cause of such injury.

SEC. 10. A suitable and proper wash-room and water-closets shall be provided for females where employed, and the water-closets used by females shall be separate and apart from those used by males, and shall be properly screened and ventilated and at all times kept in a clean condition.

SEC. 11. Not less than forty five minutes shall be allowed for the noon-day meal in any manufacturing establishment in this state. The factory inspector, his assistant, or any of his deputies, shall have power to issue permits in special cases, allowing a shorter meal time at noon, and such permit must be conspicuously posted in the main entrance of the establishment, and such permit may be revoked at any time the inspector deems necessary, and shall only be given where good cause can be shown.

SEC. 12. That if the inspector of factories find that the heating, lighting, ventilation, or sanitary arrangement of any shop or factory is such as to be injurious to the health of persons employed therein, or that the means of egress in case of fire or other disaster is not sufficient or in accordance with all the requirements of law, or that the belting, shafting, gearing, elevators, drums, and machinery in shops and factories are located so as to be dangerous to employes, and not sufficiently guarded, or that the vats, pans, or structures filled with molten metal or hot liquid are not surrounded with proper safeguards for preventing accident or injury to those employed at or near them, he shall notify the proprietor of such factory or workshop to make the alterations or additions necessary within sixty days, and if such alterations or additions are not made within sixty days from the date of such notice, or within such time as said alterations can be made with proper diligence upon the part of said proprietors, said proprietors or agents shall be deemed guilty of violating the provisions of this act.

SEC. 13. The factory inspector, now or hereafter appointed under and by virtue of the provisions of this law, is hereby authorized to appoint such number of persons as, in his judgment, may be necessary, not exceeding six, one-half of whom shall be females, who shall be known as deputy factory inspectors, either or any one of whom may be appointed to act as clerk in the main office, and whose duties it shall be to enforce the provisions of this act and of the several acts relating to factories and manufacturing establishments. The powers of said deputies shall be the same as the powers of the factory inspector, subject to the supervision and direction of the factory inspector.

SEC. 14. The traveling expenses of each of said deputies shall be approved by the inspector and audited by the auditor general of the state before payment, and said deputy inspectors shall have an annual salary of one thousand dollars, to be paid monthly by the treasurer of the state out of any moneys not otherwise appropriated.

SEC. 15. Said factory inspector shall have power to divide the state into districts, and to assign one of said deputies to each district, and may transfer any of the deputies to other districts in case the best interests of the state require it. The inspector shall have the power of removing any of the deputy inspectors at any time.

SEC. 16. An office shall be furnished in the capital as soon as practicable, which shall be set apart for the use of the factory inspector. The factory inspector and his deputies shall have the same power to administer oaths or affirmations as is now given to notaries public, in cases where persons desire to verify documents connected with the proper enforcement of this act.

SEC. 17. Any person who violates any of the provisions of this act, or who suffers or permits any child or females to be employed in violation of its provisions, shall be deemed guilty of a misdemeanor, and, on conviction, shall be punished by a fine of not more than five hundred dollars.

SEC. 18. A printed copy of this act shall be posted by the inspector in each work-room of every factory, manufacturing or mercantile house where persons are employed who are affected by the provisions of this act.

SEC. 19. All acts or parts of acts inconsistent with the provisions of this act are hereby repealed.

MASSACHUSETTS.

SECTION 1. Any person or corporation engaged in manufacturing, which requires from persons in his or its employ, under penalty of forfeiture of a part of the wages earned by them, a notice of intention to leave such employ, shall be liable to the payment of a like forfeiture if he or it discharges without similar notice a person in such employ, except for incapacity or misconduct, unless in case of a general suspension of labor in his or its shop or factory.

SEC. 2. Whoever, by intimidation or force, prevents, or seeks to prevent, a person from entering into or continuing in the employment of a person or corporation shall be punished by a fine of not more than one hundred dollars.

SEC. 3. No person or corporation shall, by a special contract with persons in his or its employ, exempt himself or itself from any liability which he or it might otherwise be under to such persons for injuries suffered by them in their employment, and which result from the employer's own negligence or from the negligence of other persons in his or its employ.

SEC. 4. No minor under eighteen years of age and no woman shall be employed in laboring in any manufacturing or mechanical establishment more than ten hours in any one day, except as hereinafter provided in this section, or when a different apportionment of the hours of labor is made for the sole purpose of making a shorter day's work for one day of the week; and in no case shall the hours of labor exceed sixty in a week. Every employer shall post in a conspicuous place in every room where such persons are employed a printed notice stating the number of hours' work required of them on each day of the week, the hours of commencing and stopping such work, and the hours when the time or times allowed for dinner or for other meals begins and ends, or in the case of establishments exempted from the provisions of chapter two hundred and fifteen of the acts of the year eighteen hundred and eighty-seven, the time, if any, allowed for dinner and for other meals; the printed form of such notice shall be furnished by the chief of the district police, and shall be approved by the attorney-general; and the employment of any such person for a longer time in any day than that so stated shall be deemed a violation of this section, unless it appears that such employment is to make up for time lost on some previous day of the same week in consequence of the stopping of machinery upon which such person was employed or dependent for employment. But no stopping of machinery for a shorter continuous time than thirty minutes shall authorize such overtime employment, nor shall any such stopping authorize such employment unless or until a written report of the day and hour of its occurrence, with its duration, is sent to the chief of the district police or to the inspector of factories for

the district. Any person who makes a false report of such stopping of machinery shall be punished by fine of not less than fifty nor more than one hundred dollars. If any minor under eighteen years of age, or any woman, shall, without the orders, consent, or knowledge of the employer, or of any superintendent, overseer, or other agent of the employer, labor in a manufacturing or mechanical establishment during any part of any time allowed for dinner or for other meals in such establishment, according to the notice above mentioned, and if a copy of such notice was posted in a conspicuous place in the room where such labor took place, together with a rule of the establishment forbidding such minor or woman to labor during such time, then neither the employer, nor any superintendent, overseer, or other agent of the employer, shall be held responsible for such employment.

SEC. 5. Whoever, either for himself, or as superintendent, overseer, or other agent of another, employs or has in his employment any person in violation of the provisions of the preceding section, and every parent or guardian who permits any minor to be so employed, shall be punished by a fine of not less than fifty nor more than one hundred dollars for each offense. Said penalty shall extend to corporations. A certificate of the age of a minor, made by him and by his parent or guardian at the time of his employment in any manufacturing establishment, shall be conclusive evidence of his age upon any trial for a violation of the preceding section.

An act to prohibit the employment of women and minors in manufacturing establishments between the hours of ten o'clock at night and six o'clock in the morning.

SECTION 1. No corporation or manufacturing establishment in this commonwealth shall employ any woman or minor in any capacity for the purpose of manufacturing, between the hours of ten o'clock at night and six o'clock in the morning, under the penalty of not less than twenty nor more than fifty dollars for each and every offense.

SEC. 2. This act shall take effect on the first day of July in the year eighteen hundred and ninety-one.

An act relating to the employment of minors in mercantile establishments.

SECTION 1. No minor under eighteen years of age shall be employed in laboring in any mercantile establishment more than sixty hours in any one week.

SEC. 2. Whoever, either for himself, or as superintendent, overseer or other agent for another, employs or has in his employment any person in violation of the provisions of the preceding section or who fails to post the notice required in section third, and any parent or guardian who permits any minor to be so employed, shall be punished by a fine of not less than fifty nor more than one hundred dollars for each offense. Said penalty shall extend to corporations. A certificate of age of a minor, made and sworn to by him and by his parent or guardian at the time of his employment in a mercantile establishment, shall be *prima facie* evidence of his age in any trial for a violation of the preceding section.

SEC. 3. Every employer shall post in one or more conspicuous places where such persons are employed a printed notice, stating the number of hours work required of them, not exceeding ten hours in any one day, on each day of the week; and the employment of any such person for a longer time in any day than that so stated shall

be deemed a violation of this act, unless it appears that such employment is to make up for time lost on some previous day of the same week.

An act to prohibit the employment of children in cleaning dangerous machinery.

SECTION 1. No child under the age of fourteen years shall be permitted to clean any part of the machinery in a factory while such part is in motion by the aid of steam, water or other mechanical power, or to clean any part of such machinery that is in dangerous proximity to such moving part.

SEC. 2. Whoever, either for himself or as superintendent, overseer, or other agent of another, violates the provisions of the preceding section, shall be punished by a fine of not less than fifty nor more than one hundred dollars for each offense.

An act for the preservation of the health of females employed in manufacturing, mechanical and mercantile establishments.

SECTION 1. Every person or corporation employing females in any manufacturing, mechanical or mercantile establishment in this commonwealth, shall provide suitable seats for the use of the females so employed, and shall permit the use of such seats by them when they are not necessarily engaged in the active duties for which they are employed.

SEC. 2. A person or corporation violating any of the provisions of this act shall be punished by a fine of not less than ten dollars nor more than thirty dollars for each offense.

An act relating to the employment of minors who cannot read and write in the English language.

[Section one was repealed by chapter three hundred and forty-eight, acts of eighteen hundred and eighty-eight.]

SEC. 2. Every person who regularly employs, or permits to be employed, a minor fourteen years of age, or over, who cannot read and write in the English language, providing such minor has been, since reaching the age of fourteen, for one year continuously a resident of a city or town in this commonwealth wherein public evening schools are maintained, and is not a regular attendant of a day or evening school, shall for every such offense, forfeit not less than fifty nor more than one hundred dollars, for the use of the evening schools of such city or town.

SEC. 3. Whenever it appears that the labor of any minor who would be debarred from employment under section two of this act and amendments thereto, is necessary for the support of the family to which said minor belongs, or for his own support, the school committee of said city or town may, in the exercise of their discretion, issue a permit authorizing the employment of such minor within such time or times as they may fix: *Provided*, Such minor make application to said school committee, or some person duly authorized by said committee, for such a permit before the opening of the yearly session of the evening school of said city or town; and the provisions of said section two shall not apply to such minor so long as said permit is in force: *Provided, also*, That if such minor has been prevented by sickness or injury from attending said evening school, as provided in said section two as amended by chapter one hun-

dred and thirty-five of the acts of the year eighteen hundred and eighty-nine, the school committee shall issue to such minor the permit provided for in this section, upon the presentation of the following blank, properly filled and signed:

To the School Committee of the

I hereby certify that I have attended

from	to	; that said	was sick or injured
with		; and that said	was not in suitable
physical condition to attend evening school for the term of			days.

(Signed),

Attending Physician.

[Dated]

The school committee of every city or town in this commonwealth wherein public evening schools are maintained shall furnish blanks described in the foregoing paragraph upon application.

SEC. 4. Two weeks next before the opening of each term of the evening schools, the school committee shall, by posters posted in three or more public places of said city or town, give notice of the location of said schools, the date of the commencement of the term, the evenings of the week during which said schools shall be kept, the provisions of section two of this act as to forfeiture for non-compliance with said section, and such regulations as to attendance as they shall deem proper.

SEC. 5. Section 7 of chapter forty-eight of the Public Statutes is hereby repealed.

SEC. 6. This act shall take effect on the first day of October in the year one thousand eight hundred and eighty-seven.

To secure uniform and proper meal times for children, young persons, and women employed in factories and workshops.

SECTION 1. All children, young persons, and women, five or more in number, employed in the same factory, shall be allowed their meal time or meal times at the same time: *Provided, however,* That any children, young persons, or women who begin work in such factory at a later hour in the morning than the other children, young persons, and women employed therein, may be allowed their meal time or meal times at a different time, but no such children, young persons, or women shall be employed during their regular meal hour in tending the machines or doing the work of any other children, young persons, or women in addition to their own.

SEC. 2. No child, young person, or woman shall be employed in a factory or workshop in which five or more children, young persons, and women are employed, for more than six hours at one time without an interval of at least half an hour for a meal: *Provided, however,* That a child, young person, or woman may be so employed for not more than six and one-half hours at one time if such employment ends at an hour not later than one o'clock in the afternoon, and if such child, young person, or woman is then dismissed from the factory or workshop for the remainder of the day; or for not more than seven and one-half hours at one time if such child, young person, or woman is allowed sufficient opportunity for eating a lunch during the continuance of such employment, and if such employment ends at an hour not later than two o'clock in the afternoon, and such child, young person, or woman is then dismissed from the factory or workshop for the remainder of the day.

SEC. 3. This act shall not apply to iron works, glass works, paper mills, letter-press printing establishments, print works, bleaching works or dyeing works; and the chief

of the district police, where it is proved to his satisfaction that in any other class of factories or workshops it is necessary, by reason of the continuous nature of the process, or of special circumstances affecting such class, to exempt such class from the provisions of this act, and that such exemption can be made without injury to the health of the children, young persons, and women affected thereby, may, with the approval of the governor of the commonwealth, issue a certificate granting such exemption, public notice whereof shall be given in the manner directed by said chief, without expense to the commonwealth.

SEC. 4. The following expressions used in this act shall have the following meanings: The expression "iron works" means any mill, forge, or other premises in or on which any process is carried on for converting iron into malleable iron, steel, or tin plate, or for otherwise making or converting steel. The expression "glass works" means any premises in which the manufacture of glass is carried on. The expression "paper mills" means any premises in which the manufacture of paper is carried on. The expression "letter-press printing establishment" means any premises in which the process of letter-press printing is carried on. The expression "print works" means any premises in which is carried on the process of printing figures, patterns, or designs upon any cotton, linen, woolen, worsted, or silken yarn or cloth, or upon any woven or felted fabric not being paper. The expression "bleaching works" means any premises in which the process of bleaching any yarn or cloth of any material is carried on. The expression "dyeing works" means any premises in which the process of dyeing any yarn or cloth of any material is carried on.

SEC. 5. Whoever, either for himself or as superintendent, overseer, or other agent of another, violates any of the provisions of this act, shall be punished by fine of not less than fifty nor more than one hundred dollars: *Provided, however,* That if any minor under eighteen years of age, or any woman, shall, without the orders, consent, or knowledge of the employer, or of any superintendent, overseer, or other agent of the employer, labor in a factory or workshop during any part of any time allowed for dinner or for other meals in such factory or workshop, according to the notice required by law, and if a copy of such notice was posted in a conspicuous place in the room where such labor took place, together with a rule of the establishment forbidding such minor or woman to labor during such time, then neither the employer nor any superintendent, overseer or other agent of the employer shall be held responsible for such labor.

Of the inspection of buildings.

SEC. 13. The belting, shafting, gearing, and drums of all factories, when so placed as to be, in the opinion of the inspectors, mentioned in section nine of chapter one hundred and three, dangerous to persons employed therein, while engaged in their ordinary duties, shall be, as far as practicable, securely guarded.

No machinery, other than steam engines in a factory, shall be cleaned while running, if objected to in writing by one of said inspectors. All factories shall be well ventilated and kept clean.

SEC. 14. The openings of all hoistways, hatchways, elevators, and well-holes upon every floor of a factory, or mercantile or public building shall be protected by good and sufficient trap-doors, or self-closing hatches and safety-catches, or such other safeguards as said inspectors direct; and all due diligence shall be used to keep such trap-doors closed at all times, except when in actual use by the occupant of the building having the use and control of the same. All elevator cabs or cars, whether used for freight or

passengers, shall be provided with some suitable mechanical device, to be approved by the said inspectors, whereby the cab or car will be securely held in the event of accident to the shipper-rope or hoisting machinery, or from any similar cause.

[Sections fifteen to twenty inclusive were repealed by chapter four hundred and twenty-six, acts of eighteen hundred and eighty-eight.]

SEC. 21. No explosive or inflammable compound shall be used in any factory in such place or manner as to obstruct or render hazardous the egress of operators in case of fire.

SEC. 22. Any person or corporation, being the owner, lessee, or occupant of a manufacturing establishment, factory, or workshop, or owning or controlling the use of any building or room mentioned in section twenty, shall, for the violation of any provision of sections thirteen to twenty-one inclusive, be punished by a fine of not less than fifty nor more than five hundred dollars, and shall also be liable for all damages suffered by any employé by reason of such violation; but no criminal prosecution shall be made for such violation until four weeks after notice in writing by an inspector of factories and public buildings, of any changes necessary to be made to comply with the provisions of said sections, has been sent by mail or delivered to such person or corporation; nor then, if in the meantime such changes have been made in accordance with such notification. Notice to one member of a firm, or to the clerk or treasurer of a corporation, owning, leasing, occupying, or controlling, as aforesaid, shall be deemed a sufficient notice under this section to all the members of such firm or to such corporation. Nothing in this section shall be so construed as to prohibit a person injured from bringing an action to recover damages for his injuries.

An act to provide against the use of unsafe elevators.

If any elevator, whether used for freight or passengers, shall, in the judgment of the inspector of factories and public buildings of the district in which such elevator is used, or, in the city of Boston, of the inspector of buildings of said city, be unsafe or dangerous to use, or has not been constructed in the manner required by law, the said inspector shall immediately placard conspicuously upon the entrance to or door of the cab or car of such elevator a notice of its dangerous condition, and prohibit the use of such elevator until made safe to the satisfaction of said inspector. Any person removing such notice or operating such elevator while such notice is placarded as aforesaid, without authority from said inspector, shall be punished by a fine of not less than ten or more than fifty dollars for each offense.

An act in relation to the employment of custodians of elevators.

SECTION 1. No person, firm or corporation shall employ or permit any person under fifteen years of age to have the care, custody, management, or operation of any elevator, or shall employ or permit any person under eighteen years of age to have the care, custody, management, or operation of any elevator running at a speed of over two hundred feet a minute.

SEC. 2. Whoever violates the provisions of this act shall forfeit a sum not less than twenty-five dollars nor more than one hundred dollars for each offense.

An act prohibiting the locking of the doors of buildings wherein operatives are employed, during the hours of labor.

SECTION 1. No outside or inside doors of any building wherein operatives are employed shall be so locked, bolted, or otherwise fastened, during the hours of labor, as to prevent free egress.

SEC. 2. Any person, firm, or corporation, being the owner, lessee, or occupant of any such building, who shall, after receiving five days' notice in writing from one of the inspectors of factories and public buildings, neglect or refuse to comply with the provisions of the preceding section, shall forfeit to the use of the commonwealth not less than ten nor more than fifty dollars.

SEC. 3. The inspectors of factories and public buildings shall enforce the provisions of this act.

SEC. 4. This act shall take effect upon its passage.

An act relating to providing means of communication between rooms in Manufacturing establishments where machinery is propelled by steam and the room where the engineer is stationed.

SECTION 1. In every manufacturing establishment where the machinery used is propelled by steam, communication shall be provided between each room where such machinery is placed and the room where the engineer is stationed, by means of speaking tubes, electric bells, or appliances that may control the motive power, or such other means as shall be satisfactory to the inspectors of factories: *Provided*, That in the opinion of the inspectors such communication is necessary.

SEC. 2. The inspectors of factories shall enforce the provisions of this act, and any person, firm, or corporation, being the occupant of any manufacturing establishment, or controlling the use of any building or room where machinery propelled by steam is used, violating the provisions of this act, shall forfeit to the use of the commonwealth not less than twenty-five nor more than one hundred dollars; but no prosecution shall be made for such violation until four weeks after notice in writing by an inspector has been sent by mail to such person, firm, or corporation of any changes necessary to be made to comply with the provisions of this act, nor then, if in the meantime such changes have been made in accordance with such notification.

An act relative to reports of accidents in factories and manufacturing establishments.

SECTION 1. All manufacturers, manufacturing corporations, and proprietors of mercantile establishments shall forthwith send to the chief of the Massachusetts district police a written notice of any accident to any employé while at work in any factory, manufacturing, or mercantile establishment operated by them whenever the accident results in the death of said employé or causes bodily injury of such a nature as to prevent the person injured from returning to his work within four days after the occurrence of the accident.

SEC. 2. Any person or corporation violating any of the provisions of section one of this act shall be punished by a fine not exceeding twenty dollars.

SEC. 3. The chief of the Massachusetts district police shall keep a record of all accidents so reported to him, together with a statement of the name of the person

injured, the city or town where the accident occurred, and the cause thereof, and shall include an abstract of said record in his annual report.

SEC. 4. This act shall take effect on the first day of July in the year eighteen hundred and eighty-six.

An act in relation to the employment of children.

SECTION 1. No child under thirteen years of age shall be employed at any time in any factory, workshop, or mercantile establishment. No such child shall be employed in any indoor work, performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of the city or town in which he resides are in session, or shall be employed in any manner during such hours unless during the year next preceding such employment he has attended school for at least twenty weeks, as required by law.

SEC. 2. No child under fourteen years of age shall be employed in any manner before the hour of six o'clock in the morning or after the hour of seven o'clock in the evening. No such child shall be employed in any factory, workshop, or mercantile establishment, except during the vacation of the public schools in the city or town where he resides, unless the person or corporation employing him procures and keeps on file a certificate and employment ticket for such child, as prescribed by section four of this act, and no such child shall be employed in any indoor work, performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of such city or town are in session, unless as aforesaid, or shall be employed in any manner during such hours unless during the year next preceding such employment he has attended school for at least twenty weeks, as required by law; and such employment shall not continue in any case beyond the time when such certificate expires. The chief of the district police, with the approval of the governor, shall have authority to designate any kind or kinds of employment in factories, workshops, or mercantile establishments as injurious to the health of children under fourteen years of age employed therein, and after one week's written notice from the said chief to the employer or his superintendent, overseer, or agent of such designation no such child shall be employed in any such kind or kinds of employment in any factory, workshop, or mercantile establishment.

SEC. 3. No child under sixteen years of age shall be employed in any factory, workshop, or mercantile establishment unless the person or corporation employing him procures and keeps on file the certificate required in the case of such child by the following section, and also keeps on file a full and complete list of such children employed therein.

SEC. 4. The certificate of a child under fourteen years of age shall not be signed until he presents to the person authorized to sign the same an employment ticket, as hereinafter prescribed, duly filled out and signed. The certificate and the employment ticket shall be separately printed, and shall be in the following forms respectively, and the blanks therein shall be filled out and signed as indicated by the words in brackets.

EMPLOYMENT TICKET, LAW OF 1888.

When [name of child], height [feet and inches], complexion [fair or dark], hair [color], presents a certificate duly signed, I intend to employ [him or her].

[Signature of intending employer or agent.]

[Town or city and state.]

AGE AND SCHOOLING CERTIFICATE LAW OF 1888.

This certifies that I am the [father, mother, or guardian] of [name of child], and that [he or she] was born at [name of town or city], in the county of [name of county, if known], and state [or country] of [name] on the [day and year of birth], and is now [number of years and months] old.

[Signature of father, mother, or guardian.]

[Town or city and date.]

Then personally appeared before me the above named [name of person signing] and made oath that the foregoing certificate by [him or her] signed is true to the best of [his or her] knowledge and belief. I hereby approve the foregoing certificate of [name of child], height [feet and inches], complexion [fair or dark], hair [color], having no sufficient reason to doubt that [he or she] is of the age therein certified.

[Signature of person authorized to sign, with official character or authority.]

[Town or city and date.]

In case the age of the child is under fourteen, the certificate shall continue as follows, after the word "certified:"

And I hereby certify that [he or she] can read at sight, and can write legibly, simple sentences in the English language, and that [he or she] has attended the [name] public [or private] day school according to law for [number of weeks, which must be at least twenty] weeks during the year next preceding this date, and that the last twenty weeks of such attendance began [date]. This certificate expires [date, one year later than above date].

[Signature of the person authorized to sign, with official character or authority.]

If attendance has been at a private school, also signature of a teacher of such school, followed by words,—certifying to school attendance.

[Town or city and date.]

In case a child cannot read and write, as above stated, the following may be substituted for the clause beginning "and I hereby certify," through, to, and including the word "language: " "and I hereby certify that [he or she] is a regular attendant at the [name] public evening school;" but in such case the certificate shall only continue in force for as long a time as attendance of such child at such evening school is endorsed weekly during the session of such evening school, not exceeding the length of the public school year minus twenty weeks in place of attendance at day school, as now provided by law, with a statement from a teacher thereof certifying that his attendance continues regular. If attendance has been at a half-time school, forty weeks of such attendance must be certified to instead of twenty. The foregoing certificate must be filled out in duplicate, and one copy thereof shall be kept on file by the school committee. Any explanatory matter may be printed with such certificate in the discretion of the school committee or superintendent of schools.

SEC. 5. In cities and towns having a superintendent of schools, said certificate shall be signed only by such superintendent, or by some person authorized by him in writing; in other cities and towns it shall be signed by some member or members of the school committee authorized by vote thereof: *Provided, however,* That no member of a school committee, or other person authorized as aforesaid, shall have authority to sign such certificate for any child then in, or about to enter, his own employment, or the employment of a firm of which he is a member, or of a corporation of which he is an officer or

employé. The person signing the certificate shall have authority to administer the oath provided for therein, but no fee shall be charged therefor; such oath may also be administered by any justice of the peace.

SEC. 6. The certificate as to the birthplace and age of a child shall be signed by his father, if living, and a resident of the same city or town; if not, by his mother; or if his mother is not living, or, if living, is not a resident of the same city or town, by his guardian; if a child has no father, mother, or guardian living in the same city or town, his own signature to the certificate may be accepted by the person authorized to approve the same.

SEC. 7. No child who has been continuously a resident of a city or town since reaching the age of thirteen years shall be entitled to receive a certificate that he has reached the age of fourteen unless or until he has attended school according to law in such city or town for at least twenty weeks since reaching the age of thirteen, unless such child can read at sight and write legibly simple sentences in the English language or is exempted by law from such attendance. Before signing the approval of the certificate of age of a child, the person authorized to sign the same shall refer to the last school census taken under the provisions of section three of chapter forty-six of the Public Statutes, and if the name of such child is found thereon, and there is a material difference between his age as given therein and as given by his parent or guardian in the certificate, allowing for lapse of time, or if such child plainly appears to be of materially less age than that so given, then such certificate shall not be signed until a copy of the certificate of birth or of baptism of such child, or a copy of the register of its birth with a town or city clerk, has been produced, or other satisfactory evidence furnished that such child is of the age stated in the certificate.

SEC. 8. The truant officers may, when so authorized and required by vote of the school committee, visit the factories, workshops, and mercantile establishments in their several cities and towns, and ascertain whether any children under the age of fourteen are employed therein contrary to the provisions of this act, and they shall report any cases of such illegal employment to the school committee and to the chief of the district police or the inspector of factories for the district. The inspectors of factories, and the truant officers, when authorized as aforesaid, may demand the names of all children under sixteen years of age employed in such factories, workshops, and mercantile establishments, and may require that the certificates and lists of such children provided for in this act shall be produced for their inspection. Such truant officers shall inquire into the employment, otherwise than in such factories, workshops, and mercantile establishments, of children under the age of fourteen years, during the hours when the public schools are in session, and may require that the aforesaid certificates of all children under sixteen shall be produced for their inspection; and any such officer, or any inspector of factories, may bring a prosecution against a person or corporation employing any such child, otherwise than as aforesaid, during the hours when the public schools are in session, contrary to the provisions of this act, if such employment still continues one week after written notice from such officer or inspector that such prosecution will be brought, or if more than one such written notice whether relating to the same child or to any other child, has been given to such employer by a truant officer or inspector of factories at any time within one year.

SEC. 9. Every parent or guardian of a child under fourteen years of age who permits any employment of such child contrary to the provisions of this act, and every owner, superintendent, or overseer of any factory, workshop, or mercantile establishment who

employs or permits to be employed therein any child contrary to the provisions of this act, and any other person who employs any child contrary to the provisions of this act, shall for every such offense forfeit not less than twenty nor more than fifty dollars for the use of the public schools of the city or town. Every parent, guardian, or person authorized to sign the certificate prescribed by section four of this act, who certifies to any materially false statement therein, shall be punished by fine not exceeding fifty dollars, or by imprisonment not exceeding thirty days, or by both such fine and imprisonment. A failure to produce to a truant officer or inspector of factories the certificate required by the provisions of this act shall be *prima facie* evidence of the illegal employment of the child whose certificate is not produced.

SEC. 10. The expressions "factory" and "workshop" used in this act shall have the meanings defined for them respectively by chapter one hundred and three of the acts of the year one thousand eight hundred and eighty-seven.

SEC. 11. Within one month of the passage of this act the chief of the district police shall cause a printed copy thereof to be transmitted to the school committee of every city and town in the commonwealth.

SEC. 12. Sections one to six, inclusive, of chapter forty-eight of the Public Statutes, chapter two hundred and twenty-four of the acts of the year eighteen hundred and eighty-three, chapter two hundred and twenty-two of the acts of the year eighteen hundred and eighty-five, and section one of chapter four hundred and thirty-three of the acts of the year eighteen hundred and eighty-seven are hereby repealed.

SEC. 13. This act shall take effect on the first day of July in the year one thousand eight hundred and eighty-eight.

An act in relation to the age and schooling certificates of children employed in factories, workshops, and mercantile establishments.

SECTION 1. The following words shall appear on all age and schooling certificates enumerated in section four of chapter three hundred and forty-eight, of the acts of the year eighteen hundred and eighty-eight, after the name of the town or city and date: This certificate belongs to the person in whose behalf it has been drawn, and it shall be surrendered to (him or her) whenever (he or she) leaves the service of the corporation or employer holding the same; and any such corporation or employer refusing to so deliver the same shall be punished by a fine of ten dollars.

SEC. 2. Any corporation or employer holding any age or schooling certificate enumerated in section four of chapter three hundred and forty-eight of the acts of the year eighteen hundred and eighty-eight and refusing to deliver the same to the person in whose behalf it has been drawn, when such person shall leave the employ of said corporation or employer, shall be punished by a fine of ten dollars.

(AS AMENDED BY CHAP. 399, ACTS OF 1887.)

An act to provide for the weekly payment of wages by corporations.

SECTION 1. Every manufacturing, mining, or quarrying, mercantile, railroad, street railway, telegraph, and telephone corporation, every incorporated express company and water company shall pay weekly each and every employé engaged in its business the wages earned by such employé to within six days of the date of said payment; and every incorporated city shall so pay every employé engaged in its business, unless such employé shall request in writing to be paid in some different manner; and every muni-

cipal corporation not a city, and every incorporated county shall so pay every employé engaged in its business if so required by him: *Provided, however,* That if, at any time of payment, any employé shall be absent from his regular place of labor he shall be entitled to said payment at any time thereafter upon demand. The provisions of this section shall not apply to any employé of a coöperative corporation or association who is a stockholder therein, unless such employé shall request such corporation to pay him weekly: *And provided, also,* That the railroad commissioners, after a hearing, may exempt any railroad corporation from paying weekly any of its employés who, in the opinion of the commissioners, prefer less frequent payments, and when, in their opinion, the interests of the public and such employés will not be injured thereby.

SEC. 2. Any corporation violating any of the provisions of this act shall be punished by a fine not exceeding fifty and not less than ten dollars on each complaint under which it is convicted: *Provided,* Complaint for such violation is made within thirty days from the date thereof. The chief of the district police, or any state inspector of factories and public buildings may bring a complaint against any corporation which neglects to comply with the provisions of this act for a period of two weeks after having been notified in writing by such chief or inspector that such complaint will be brought. On the trial of such complaint such corporation shall not be allowed to set up any defense for a failure to pay weekly any employé engaged in its business the wages earned by such employé to within six days of the date of said payment, other than the attachment of such wages by the trustee process, or a valid assignment thereof, or a valid set-off against the same, or the absence of such employé from his regular place of labor at the time of payment, or an actual tender to such employé at the time of payment of the wages so earned by him. No assignment of future wages payable weekly under the provisions of this act shall be valid if made to the corporation from whom such wages are to become due, or to any person on behalf of such corporation, or if made or procured to be made to any person for the purpose of relieving such corporation from the obligation to pay weekly under the provisions of this act.

SEC. 3. When a corporation against which a complaint is made under this act fails to appear after being duly served with process, its default shall be recorded, the allegations in the complaint taken to be true, and judgment shall be rendered accordingly.

SEC. 4. When judgment is rendered upon any such complaint against a corporation, the court may issue a warrant of distress to compel the payment of the penalty prescribed by law, together with costs and interest.

SEC. 5. This act shall take effect upon the first day of July in the year eighteen hundred and eighty-six.

Relating to sanitary appliances and ventilation.

SECTION 1. Every factory in which five or more persons are employed, and every factory, workshop, mercantile, or other establishment or office in which two or more children, young persons, or women are employed, shall be kept in a cleanly state and free from effluvia arising from any drain, privy or other nuisance, and shall be provided within reasonable access, with a sufficient number of proper water closets, earth closets or privies, for the reasonable use of the persons employed therein; and whenever two or more male persons and two or more female persons are employed as aforesaid together, a sufficient number of separate and distinct water-closets, earth-closets, or privies shall be provided for the use of each sex, and plainly so designated, and no

person shall be allowed to sue any other person or party assigned to persons of the other sex.

Sec. 2. It shall be the duty of every owner, lessee, or occupant of any premises so used as to cause work to be performed thereon to carry out the same and to make the changes necessary thereon. In case such changes are made upon the order of an inspector or inspector by the occupant or lessee of the premises, he may at any time within thirty days of the completion thereof bring an action before any trial justice, judge, magistrate, or district court against any other person having an interest in such premises, and may recover such proportion of the expense of making such changes as the court or judge should, justly and equitably be borne by such defendant.

Sec. 3. When it appears to an inspector of factories that any act, neglect, or default, in relation to any drain, water-closet, earth-closet, privy, ash pit, water supply, nuisance, or other matter in a factory or in a workshop, included under section one of this act, is punishable or remediable under chapter eighty of the public statutes, or under any law of the commonwealth relating to the preservation of the public health, but not under this act, such inspector shall give notice in writing of such act, neglect, or default to the board of health of the city or town within which such factory or workshop is situate, and it shall thereupon be the duty of such board of health to make inquiry into the subject of the notice, and to take such action thereon in the way of enforcing any provision of law within its authority as the facts may call for.

Sec. 4. Any person violating any provision of sections one and two of this act shall be punished by fine not exceeding one hundred dollars; but no criminal prosecution shall be made for such violation until four weeks after notice in writing by an inspector of factories of the changes necessary to be made to comply with the provisions of said sections has been sent by mail or delivered to such person, nor then if in the meantime such changes have been made in accordance with such notification. A notice shall be deemed a sufficient notice under this section to all the members of a firm or to a corporation when given to one member of such firm, or to the clerk, cashier, secretary, agent or any other officer having charge of the business of such corporation, or to its attorney; and in the case of a foreign corporation, notice to the officer having the charge of such factory or workshop shall be sufficient; and such officer shall be personally liable for the amount of any fine in case a judgment against the corporation is returned unsatisfied.

Sec. 5. The following expressions used in this act shall have the following meanings:

The expression "person" means any individual, corporation, partnership, company, or association.

The expression "child" means a person under the age of fourteen years.

The expression "young person" means a person of the age of fourteen years and under the age of eighteen years.

The expression "woman" means a woman of eighteen years of age and upwards.

The expression "factory" means any premises where steam, water or other mechanical power is used in aid of any manufacturing process there carried on.

The expression "workshop" means any premises, room, or place, not being a factory as above defined, wherein any manual labor is exercised by way of trade, or for purposes of gain in, or incidental to, any process of making, altering, repairing, ornamenting, finishing, or adapting for sale any article or part of an article, and to which or over which premises, room, or place the employer of the persons working therein has the

right of access or control: *Provided, however,* That the exercise of such manual labor in a private house or private room by the family dwelling therein, or by any of them, or in case a majority of the persons therein employed are members of such family, shall not of itself constitute such house or room a workshop within this definition.

The aforesaid expressions shall have the meanings above defined for them respectively in all laws of this commonwealth relating to the employment of labor, whether heretofore or hereafter enacted, unless a different meaning is plainly required by the context.

SEC. 6. This act shall take effect upon its passage.

An act to secure the proper ventilation of factories and workshops.

SECTION 1. Every factory in which five or more persons are employed, and every workshop in which children, young persons, or women, five or more in number, are employed, shall be so ventilated while work is carried on therein that the air shall not become so exhausted as to be injurious to the health of the persons employed therein, and shall also be so ventilated as to render harmless, so far as is practicable, all the gases, vapors, dust, or other impurities generated in the course of the manufacturing process or handicraft carried on therein that may be injurious to health.

SEC. 2. If in a factory or workshop included in section one of this act any process is carried on by which dust is generated and inhaled to an injurious extent by the persons employed therein, and it appears to an inspector of factories that such inhalation could be, to a great extent, prevented by the use of a fan or other mechanical means, and that the same could be provided without excessive expense, such inspector may direct a fan or other mechanical means of a proper construction to be provided within a reasonable time, and such fan or other mechanical means shall be so provided, maintained, and used.

SEC. 3. Any person employing labor in a factory or workshop, and violating any provision of this act shall be punished by fine not exceeding one hundred dollars; but no criminal prosecution shall be made for any such violation unless such employer shall have neglected for four weeks to make such changes in his factory or workshop as shall have been ordered by an inspector of factories by a notice in writing delivered to or received by such employer.

An act to cause proper sanitary provisions and proper ventilation in public buildings and school-houses.

SECTION 1. Every public building and every school-house shall be kept in a cleanly state and free from effluvia arising from any drain, privy, or other nuisance, and shall be provided with a sufficient proper number of water-closets, earth-closets, or privies for the reasonable use of the persons admitted to such public building or of the pupils attending such school-house.

SEC. 2. Every public building and every school-house shall be ventilated in such a proper manner that the air shall not become so exhausted as to be injurious to the health of the persons present therein. The provisions of this section and the preceding section shall be enforced by the inspection department of the district police force.

SEC. 3. Whenever it shall appear to an inspector of factories and public buildings that further or different sanitary provisions or means of ventilation are required in any public building or school-house in order to conform to the requirements of this act, and

that the same can be provided without incurring unreasonable expense, such inspector may issue a written order to the proper person or authority directing such sanitary provisions or means of ventilation to be provided, and they shall thereupon be provided in accordance with such order by the public authority, corporation, or person having charge of, owning or leasing such public building or school-house.

SEC. 4. Any school committee, public officer, corporation, or person neglecting for four weeks after the receipt of an order from an inspector, as provided in the preceding section, to provide the sanitary provisions or means of ventilation required thereby shall be punished by fine not exceeding one hundred dollars.

SEC. 5. The expression "public building," used in this act, means any building or premises used as a place of public entertainment, instruction, resort, or assemblage. The expression "school-house" means any building or premises in which public or private instruction is afforded to not less than ten pupils at one time.

SEC. 6. This act shall take effect upon its passage.

An act in relation to ways of egress and means of escape from fire in certain buildings.

SECTION 1. Every building now or hereafter used, in whole or in part, as a public building, public or private institution, school house, church, theatre, public hall, place of assemblage or place of public resort, and every building in which ten or more persons are employed above the second story in a factory, workshop, or mercantile or other establishment, and every hotel, family hotel, apartment house, boarding house, lodging house, or tenement house in which ten or more persons lodge or reside above the second story, and every factory, workshop, mercantile or other establishment, the owner, lessee, or occupant of which is notified in writing by the inspector hereinafter mentioned, that the provisions of this act are deemed by him applicable thereto, shall be provided with proper ways of egress, or other means of escape from fire, sufficient for the use of all persons accommodated, assembling, employed, lodging, or residing in such building; and such ways of egress and means of escape shall be kept free from obstruction, in good repair, and ready for use. Every room above the second story in any such building in which ten or more persons are employed shall be provided, if the inspector mentioned in the following section shall so direct in writing, with more than one way of egress by stairways on the inside or outside of the building, placed as near as practicable at opposite ends of such room; stairways on the outside of the building shall have suitable railed landings at each story above the first, and shall connect with each story by doors or windows; and such landings, doors, and windows shall be kept clear of ice and snow and other obstructions. Women or children shall not be employed in a factory, workshop, mercantile or other establishment, in a room above the second story from which there is only one way of egress, if the inspector mentioned in the following section shall so direct in writing. All doors and windows in any building subject to the provisions of this section shall open outwardly if the inspector mentioned in the following section shall so direct in writing. No portable seats shall be allowed in the aisles or passage ways of such building during any service or entertainment held therein. The proscenium or curtain opening of all theatres shall have a fire-resisting curtain of some incombustible material, and such curtain shall be properly constructed, and shall be operated by proper mechanism; the certificate of the inspector mentioned in the following section shall be conclusive evidence of a compliance with such requirements.

SEC. 2. It shall be the duty of such inspectors of factories and public buildings, as may be assigned to such duty by the chief of the district police force, to examine, as soon as may be after the passage of this act, and thereafter from time to time, all buildings within his district subject to the provisions of this act. and it shall be the duty of the inspector of buildings of the city of Boston so to examine all such buildings within said city. In case any such building conforms, in the judgment of such inspector, to the requirements of this act, he shall issue to the owner, lessee or occupant of such building, or of any portion thereof used as above mentioned in section one, a certificate to that effect, specifying the number of persons for whom the ways of egress or means of escape from fire are deemed to be sufficient. Such certificate shall be conclusive evidence, as long as it continues in force, of a compliance on the part of the person to whom it is issued with the provisions of this act. But such certificate shall be of no effect in case a greater number of persons than therein specified are accommodated or employed, or assemble, lodge, or reside within such building or portion thereof, or in case such building is used for any purposes materially different from those for which it was used at the time of the granting thereof, or in case the internal arrangement of such building are materially altered, or in case any ways of egress or means of escape from fire existing in such building at the time of such granting are stopped up, rendered unavailable, or materially changed; and in no case shall such certificate continue in force for more than five years from its date. Such certificate may be revoked by such inspector at any time upon written notice to the person holding the same, or occupying the premises for which it was granted, and shall be so revoked whenever, in his opinion, any conditions or circumstances have so changed that the existing ways of egress and means of escape are no longer proper and sufficient. A copy of the said certificate shall be kept posted in a conspicuous place upon every floor of such building by the person occupying the premises covered thereby.

SEC. 3. Upon an application being made to an inspector for the granting of a certificate under this act, he shall issue to the person making the same an acknowledgment that such certificate has been applied for, and pending the granting or refusal of such certificate such acknowledgment shall have for a period of ninety days the same effect as such certificate, and such acknowledgment may be renewed by such inspector with the same effect for a further period not exceeding ninety days, and may be further renewed by the chief of the district police, until such time as such certificate shall be granted or refused.

SEC. 4. In case any change is made in any premises for which a certificate has been issued under this act, whether in the use thereof or otherwise, such as terminates the effect of such certificate, as above provided in section two, it shall be the duty of the person making the same to give written notice thereof forthwith to the inspector for the district, or to the chief of the district police, if such premises are outside of the city of Boston, or to the inspector of buildings of the city of Boston, if within said city.

SEC. 5. In case any building or portion thereof subject to the provisions of this act is found by an inspector to fail to conform thereto, or in case any change is made in such building or portion thereof, such as terminates the effect of a certificate formerly granted therefor as aforesaid, it shall be the duty of such inspector to give notice in writing to the owner, lessee, or occupant of such building, specifying and describing what additional ways of egress or means of escape from fire are necessary in the opin-

ion of such inspector in order to conform to the provisions of this act and to secure the granting of a certificate as aforesaid. Notice to any agent of such owner, lessee, or occupant in charge of the premises shall be sufficient notice under this section to such owner, lessee or occupant.

SEC. 6. In case any building subject to the provisions of this act is owned, leased or occupied, jointly or in severalty, by different persons, any one of such persons shall have the right to apply to any part of the outside of such building, and to sustain from any part of the wall thereof, any way of egress or means of escape from fire specified and described by an inspector as above provided, notwithstanding the objection of any other such owner, lessee, or occupant; and any such way of egress or means of escape may project over the highway.

SEC. 7. When a license is required by law or municipal ordinance, in order to authorize any premises to be used for any purpose mentioned in section one, no license for such purpose shall be granted until a certificate for such building, or portion thereof, shall first have been obtained from an inspector as above provided, and no such license hereafter issued shall continue in force any longer than such certificate remains in force.

SEC. 8. No wooden flue or air duct for heating or ventilating purposes shall hereafter be placed in any building subject to the provisions of section one of this act, and no pipe for conveying hot air or steam in such building shall be placed, or shall remain placed, nearer than one inch to any woodwork unless protected to the satisfaction of the said inspector by suitable guards or casings of incombustible material.

SEC. 9. Every story above the second of a building subject to the provisions of section one shall be supplied with means of extinguishing fire, consisting either of pails of water or other portable apparatus, or of a hose attached to a suitable water-supply and capable of reaching any part of such story; and such means of extinguishing fire shall be kept, at all times, ready for use and in good condition.

SEC. 10. It shall be the duty of such members of the inspection department of the district police force as may be assigned to such duty by the chief of such force to enforce the provisions of this act outside of the city of Boston, and of the inspector of buildings of the city of Boston to enforce the same within said city, and for such purpose such inspector shall have the right of access to all parts of any buildings subject to the provisions of this act.

SEC. 11. Cities may, by ordinance, provide that the provisions of this act shall apply to any buildings three or more stories in height within their respective limits.

SEC. 12. It shall be the duty of every owner, lessee, or occupant of any building or part thereof, subject to this act, to cause the provisions thereof to be carried out, and any owner, lessee, or occupant failing to observe such provisions shall be subject to a fine of not less than fifty nor more than one thousand dollars; but no prosecution therefor shall be brought until four weeks after written notice from an inspector, as above provided, of the changes necessary to be made in order to conform thereto, nor then if in the meantime such charges have been made in accordance with such notification. Notice to one member of a firm, or to the clerk or treasurer of a corporation, or to the person in charge of the premises, shall be deemed sufficient notice hereunder, and such notice may be given in person or by mail. Any such owner, lessee, or occupant shall be liable for all damages caused by his violation of the provisions of this act. Any person using or occupying a building contrary to the provisions of this act may be enjoined from such use or occupation in a proceeding to be had before the superior

court or the supreme judicial court at the instance of the inspector, and upon the filing of a petition therefor, any judge or justice of the court in which such proceeding is pending may issue a temporary injunction or restraining order, as provided in proceedings in equity.

SEC. 13. The governor of the commonwealth is hereby authorized to appoint, from time to time, as may be necessary, not exceeding ten additional members of the inspection department of the district police force, qualified to perform the duties of the members of such department.

SEC. 14. Sections fifteen to twenty inclusive of chapter one hundred and four of the Public Statutes, section two of chapter two hundred and fifty-one of the acts of the year eighteen hundred and eighty-three, chapter three hundred and twenty-six of the acts of the year eighteen hundred and eighty-five, chapter two hundred and seven of the acts of the year eighteen hundred and eighty-eight, and all acts and parts of acts inconsistent herewith are hereby repealed.

SEC. 15. This act shall take effect on the first day of July, in the year one thousand eight hundred and eighty eight.

An act to regulate the erection and construction of certain buildings.

SECTION 1. No building designed to be used, in whole or in part, as a public building, public or private institution, school-house, church, theater, public hall, place of assemblage, or place of public resort, and no building more than two stories in height designed to be used above the second story, in whole or in part, as a factory, workshop, or mercantile or other establishment and having accommodations for ten or more employes above said story, and no building more than two stories in height designed to be used above the second story, in whole or in part, as a hotel, family hotel, apartment house, boarding house, lodging house, or tenement house, and having ten or more rooms above said story, shall hereafter be erected, unless in process of erection at the date of the passage of this act, until a copy of the plans of such building has been deposited with the inspector of factories and public buildings for the district in which such building is to be located, if outside of the city of Boston, or with the inspector of buildings of the city of Boston, if within said city, together with a copy of such portion of the specifications of such building as such inspector may require, nor shall any such building be so erected without the provision of sufficient ways of egress and other means of escape from fire, properly located and constructed; the certificate of the inspector above named endorsed, if the building is to be located outside the city of Boston, with the approval of the chief of the district police force, shall be conclusive evidence of a compliance with the provisions of this act, provided that after the granting of such certificate no change is made in the plans or specifications of such ways of egress and means of escape unless a new certificate is obtained therefor. Such inspector may require that proper fire stops shall be provided in the floors, walls, and partitions of such buildings, and may make such further requirements as may be necessary or proper to prevent the spread of fire therein or its communication from any steam boiler or heating apparatus; and no pipe for conveying hot air or steam in such building shall be placed nearer than one inch to any woodwork unless protected to the satisfaction of such inspector by suitable guards or casings of incombustible material, and no wooden flue or air duct for heating or ventilating purposes shall be placed in any such building.

SEC. 2. Any person erecting or constructing a building in violation of the provisions of this act, shall be punished by fine of not less than fifty nor more than one thousand

dollars, and such erection or construction may be enjoined in a proceeding to be had before the superior or supreme judicial court at the instance of the inspector above named, and, upon the filing of a petition for such injunction, any justice of the court in which such proceeding is pending, may issue a temporary injunction or restraining order, as provided in proceedings in equity.

SEC. 3. This act shall take effect on the first day of October, in the year one thousand eight hundred and eighty-eight.

An act providing for an appeal from the orders of the inspection department of the district police.

SECTION 1. Any person or corporation aggrieved by the order, requirement or direction of an inspector, given under either of chapters one hundred and forty-nine, three hundred and sixteen, or four hundred and twenty-six of the acts of the year eighteen hundred and eighty-eight, may, within ten days from the day of the service thereof, apply for an injunction against the enforcement of the same to a justice of the superior court; and thereupon, after such notice as the said justice shall order to all parties interested, a hearing may be had before some justice of said court at such early and convenient time and place as shall be fixed by said order, or the said justice may appoint three experts to examine the matter and hear the parties, which experts shall be disinterested persons and skilled in the subject matter of the controversy: and the decision of said court or the majority of said experts in writing, under oath, filed within ten days from the date of such hearing in the clerk's office of said court in the county wherein is the subject of the controversy, may either alter the order, requirement, or direction of such inspector, annul it in full, or affirm the same. A duly certified copy of said decision so filed as aforesaid shall have the same authority, force and effect as the original order of the inspector; and said decision shall have the same authority and effect as the original order, requirement or direction. If such decision shall annul or alter the order, requirement, or direction of the inspector, the court shall also enjoin the said inspector from enforcing his order, requirement, or direction, and in every such case the certificate required by section two of chapter four hundred and twenty-six of the acts of the year eighteen hundred and eighty-eight shall thereupon be issued by said justice or by his order or the said experts appointed by said justice.

SEC. 2. The court may award reasonable compensation to experts appointed under the provisions of this act, to be paid by the county in which lies the matter in controversy, providing the appeal is decided against the order of the inspector; and to be paid by the party taking the appeal in case the order of the inspector is sustained.

SEC. 3. If the order, requirement, or direction of the inspector is affirmed by the court or experts, costs shall be taxed as in civil cases against the party moving for the injunction, such costs to be paid into the treasury of the county wherein the subject matter lies.

SEC. 4. This act shall take effect upon its passage.

An act providing for the inspection in certain cases of buildings and other structures alleged to be unsafe or dangerous.

SECTION 1. Any member of the inspection department of the district police force, when called upon by the mayor and aldermen of any city except the city of Boston, or by the selectmen of a town, shall inspect any building or other structure or anything

attached to or connected therewith in such city or town which has been represented to be unsafe or dangerous to life or limb.

SEC. 2. If it appears to an inspector upon such inspection that the building or other structure or anything attached to or connected therewith is unsafe or dangerous to life or limb, in case of fire or otherwise, he shall proceed to cause the same to be removed or to render the same safe and secure, in the manner provided by sections four to eleven inclusive of chapter one hundred and four of the public statutes, and may cause proceedings to be instituted under section twelve of said chapter one hundred and four.

SEC. 3. The words "mayor and aldermen" in section five of said chapter one hundred and four shall, for the purposes of this act, be construed to apply to the mayor and aldermen of a city or the selectmen of a town, as the case may be.

SEC. 4. If any city or town in which such inspection is made there is no city engineer or chief engineer of the fire department, the mayor and aldermen or selectmen, as the case may be, shall designate some other officer or officers, or some suitable persons in place of the officers so named, to act upon the board of survey, provided for in section six of said chapter one hundred and four, and the provisions of said section, and of sections seven, eight, nine, ten and twelve of said chapter one hundred and four shall apply to a board thus constituted.

An act to secure better provisions for escape from hotels and certain other buildings in case of fire.

SECTION 1. Every keeper of a hotel, boarding or lodging house containing one hundred or more rooms, and being four or more stories high, shall have therein at least two competent watchmen, each properly assigned, and each on duty between the hours of nine o'clock in the afternoon and six o'clock in the forenoon. And every keeper of a hotel, boarding or lodging house, containing fifty or more, but less than one hundred rooms, and being three stories high, shall have between said hours at least one competent watchman on duty therein. And in all such hotels and lodging houses as are mentioned in this section, the halls and stairways shall be properly lighted at night, and at the head and foot of each flight of stairs shall be kept during the night a red, light; and one or more proper alarms or gongs, capable of being heard throughout the house, shall always remain easy of access and ready for use in each of said buildings, to give notice to the inmates in case of fire. And every keeper of such hotel, boarding or lodging house shall keep posted in a conspicuous place in every sleeping-room, a notice descriptive of such means of escape.

[Section 2 was repealed by chapter 426, acts of 1888.]

SEC. 3. The inspector of buildings in the city of Boston, the mayor and aldermen of other cities, and the selectmen of towns, shall prescribe as they deem necessary, except so far as is specifically required in the preceding sections, what additional nightwatch shall be kept, and what further provision for the prevention of fires, and for the better protection of life in case of fire, shall be made by the several keepers of hotels, boarding or lodging houses within their respective limits; and no license shall be granted to any keeper of a hotel embraced in the provisions of this act, until the requirements thereof, so far as applicable, have been complied with.

SEC. 4. Whoever neglects or refuses to provide watchmen as required by this act shall be punished by a fine not exceeding one thousand dollars for each offense, and

whoever violates any of the other provisions of this act shall be subject to the same penalty as is prescribed in section twenty-two of chapter one hundred and four of the Public Statutes.

An act relating to safety appliances in hotels and public buildings.

SECTION 1. All hotels, boarding and lodging houses, subject to the provisions of chapter two hundred and fifty-one of the acts of the year eighteen hundred and eighty three, adopting a system of electric watch-clocks, that shall register at the office the movements of a watchman throughout the house, or adopting in the rooms any system of thermostats or fire-alarm bells that shall be approved by the inspector of factories and public buildings, or in the city of Boston by the inspector of buildings, shall be exempt from maintaining more than one watchman in addition to the regular night clerk and porters.

SEC. 2. The provisions of this act, and of said chapter two hundred and fifty-one of the acts of the year eighteen hundred and eighty-three, shall apply to family hotels.

SEC. 3. This act shall take effect upon its passage.

An act for the better protection of human life in hotels in case of fire.

SECTION 1. Every owner, lessee, proprietor or manager of a hotel situated in this commonwealth shall, on or before the first day of January in the year eighteen hundred and ninety-one, place or cause to be placed a knotted rope or other better appliance for use as a fire escape in every room of said hotel used as a lodging-room, except rooms on the ground floor; which knotted rope or other better appliance shall be securely fastened at one end of it to a suitable iron hook or eye to be securely screwed in to one of the joists or timbers next adjoining the frame of the window, or one of the windows of said room at least five feet from the floor, which rope shall be at all times kept coiled and exposed to the plain view of any occupant of said room; the coil to be fastened in such manner as to be easily and quickly loosened and uncoiled; such rope shall contain knots not more than eighteen inches apart, and a loop on the end at least three inches in length, and shall not be less than one-half inch in diameter, and of sufficient length to reach from such window to the ground. Such rope, iron hook or eye and fastenings shall be of sufficient strength to sustain a weight of four hundred pounds, and there shall be plain directions how to use such rope or other better appliance printed and posted within six inches of the hook or eye to which the rope is fastened: *Provided, however,* That the owner, lessee, proprietor or manager of a hotel which is otherwise suitably provided with fire-escape for the protection of human life in case of fire shall not be required to comply with the foregoing provisions.

SEC. 2. It shall be the duty of the inspector of buildings of every city or town in the commonwealth or, if there be no such officer, of the chief engineer or the officer performing the duty of chief engineer of the fire department of every city or town in the commonwealth, in the month of May of each year, to inspect every room of every hotel in the city or town in which he is performing the duty of inspector of buildings or of chief engineer, and to ascertain if the provisions of this act are complied with, and to report the condition of the rope or other better appliance to the chief of the district police.

SEC. 3. Any person violating any of the provisions of this act shall be guilty of a misdemeanor, and punishable by a fine of not more than five hundred dollars or

imprisonment in the county jail or house of correction for not more than six months, or by both such fine and imprisonment.

SEC. 4. This act shall take effect on the first day of January in the year eighteen hundred and ninety-one.

An act to amend section ten of chapter one hundred and three of the public statutes relating to the duties and powers of inspectors of factories and public buildings.

SECTION 1. Section ten of chapter one hundred and three of the public statutes is hereby amended so as to read as follows: *Section 10.* Such inspectors shall enforce the provisions of sections thirteen to twenty-two, inclusive, of chapter one hundred and four, except as therein specified, and the various provisions of law relating to the employment of women and minors in manufacturing, mechanical, or mercantile establishments, and the employment of children, young persons, or women in factories or workshops, and the ventilation of factories or workshops, and the securing of proper sanitary provisions in factories or workshops; and for this purpose said inspectors may enter all buildings used for public or manufacturing purposes, or for factories or workshops, examine the methods of protection from accident, the means of escape from fire, the sanitary provisions and the means of ventilation, and may make investigations as to the employment of children, young persons and women.

SEC. 2. This act shall take effect upon its passage.

MINNESOTA.

[Chapter 7, H. F. 95, General Laws of 1893.]

An act providing for the protection of employés.

SECTION 1. All saws, planers, wood-shapers, jointers, sand-papery machines and ironing mangles; all set screws, drums and machinery, including belts, shafting, cables and fly-wheels of every description; all electrical dynamos and other dangerous electrical apparatus and appliances; and all vats, pans, or other structures filled with molten metal, or boiling liquids, in any factory, mill or workshop, shall be so located as not to be dangerous to workmen, or shall be, as far as practicable, properly guarded, fenced or otherwise protected. All dangerous places in or about factories, mills, workshops, and public and private works, near to which any employé is obliged to pass, or to be employed, shall be securely fenced, enclosed or otherwise protected. No grindstone, emery wheel, or any machine in any factory, mill or workshop, shall be used when the same is known to be cracked or otherwise defective.

SEC. 2. It shall be the duty of the owner of any factory, mill or workshop, or his agent, superintendent, or other person in charge of the same, to furnish and supply, or cause to be furnished and supplied therein wherever practicable, where machinery is in use, belt shifters or other safe mechanical contrivances, for the purpose of throwing on or off belts or pulleys; and wherever practicable, machinery shall be provided with loose pulleys. Exhaust fans shall be provided for the purpose of carrying off dust from emery wheels and grindstones.

SEC. 3. All hoist-ways, hatch-ways, elevator wells and wheel holes in factories, mills, workshops, storehouses, warerooms or stores shall be securely fenced, enclosed or otherwise protected, and due diligence shall be used to keep all such means of protection closed except when it is necessary to have the same open, that the said hatchways, elevators or hoisting apparatus may be used. All elevator cabs or cars, whether used for freight or passengers, shall be provided with some suitable mechanical device, whereby the car or cab will be securely held in the event of accident to the shipper rope or hoisting machinery, or from any similar cause: *Provided, however,* That elevators regularly inspected and insured against loss resulting from personal injuries by any indemnity insurance company authorized to do business in Minnesota shall not be subject to the supervision of the commissioner of labor or the factory inspectors of the state.

SEC. 4. All factories, mills and workshops shall be kept in a cleanly state, and free from any affluvia arising from any sewer, drain, privy or other nuisance. They shall be

so ventilated that while the employ  s are at work therein the air shall not become so exhausted as to be injurious to the health of said employ  s. No water-closet, earth closet, privy or ashpit shall be within or communicate directly with the bake room of any bakery, or the kitchen of any hotel or public restaurant. The sleeping places for workmen and others employed in bake houses shall be separate and distinct from the places used for the making of bread.

SEC. 5. In all factories, mills, workshops, or other buildings in which people are employed at manual or other labor, proper and sufficient means of escape in case of fire shall be provided by more than one way of egress, and such means of escape shall at all times be kept free from any obstruction, in good repair and ready for use. All doors leading in or to such factories, mills and workshops shall be so constructed as to open outward, when practicable, and shall not be so locked, bolted or fastened during working hours as to prevent free egress. Proper and substantial hand rails shall be provided on all stairways in factories, mills and workshops and in all factories, mills and workshops in which females are employed, the stairs regularly used by them shall be properly screened at the sides and bottom.

SEC. 6. If, in the opinion of the commissioner of labor, it is necessary to insure the safety of the persons employed in any factory, mill or workshop, three or more stories in height, one or more fire escapes as may be deemed by the said commissioner as necessary and sufficient therefor, shall be provided on the outside of such factory, mill or workshop, connecting with each floor above the first, well fastened and secured and of sufficient strength. Each of said fire escapes shall have landings or balconies, not less than six feet in length and three in width, guarded by iron railings not less than three feet in height, and embracing at least two windows at each story, and connecting with the interior by easily accessible and unobstructed openings, and the balconies or landings shall be connected by iron stairs not less than twenty-four inches wide, the steps to be not less than six inches tread, placed at not more than an angle of forty-five degrees slant, and protected by a well secured hand rail on both sides, with a twelve inch wide drop ladder from the lower platform reaching to the ground. Any fire escape so constructed shall be sufficient. Any other plan or style of fire-escape shall be sufficient, if approved by the commissioner of labor; but if not so approved, the said commissioner or one of the factory inspectors may notify the owner, proprietor or lessees of such factory, mill or workshop, or of the building in which such factory or workshop is conducted, or the agent or superintendent or either of them in writing, that any such style of fire escape is not sufficient, and may by an order in writing require one or more fire escapes as he shall deem necessary and sufficient, to be provided for such factory, mill or workshop, at such locations and of such plan and style as shall be specified in such written order. Within thirty days after the service of such order, the number of fire escapes required in such order for such factory or workshop shall be provided therefor, each of which shall be either of the plan and style and in accordance with the specifications in said order required or of the plan and style in this section above described and declared sufficient. The windows or doors of each fire escape shall be located, as far as possible, consistent with accessibility, from the stairways and elevators, hatchways or openings, and the ladder thereof shall extend to the roof. Stationary stairs or ladders shall be provided on the inside of each such factory, mill or workshop, from the upper story to the roof, as a means of escape in case of fire.

SEC. 7. Every factory mill or workshop or other building in which two or more persons are employed, shall be provided, within reasonable access, with a sufficient

number of water-closets, earth-closets, or privies for the reasonable use of the persons employed therein. And whenever male and female persons are employed as aforesaid together, water-closets, earth-closets or privies, separate and apart, shall be provided for the use of each sex, and plainly so designated, and no person shall be allowed to use such closet or privy assigned to the other sex. Such closets shall be properly screened and ventilated, and at all times kept in a clean and a good sanitary condition. In factories, mills and workshops, and in all other places where the labor performed by the operator is of such a character that it becomes desirable or necessary to change the clothing, wholly or in part, before leaving the building at the close of a day's toil, separate dressing rooms shall be provided for women and girls whenever so required by the factory inspector.

SEC. 8. No employé in any factory, mill or workshop, or upon any public or private works, shall be permitted or allowed to remove or destroy any guard for dangerous machinery and places and other safety appliances which their employers shall have provided in accordance with the provisions of this act, except in accordance with the rules and regulations provided for such removal or displacement by said employers.

SEC. 9. Whenever there occurs, in connection with any factory, mill or workshop, or any public or private works in the state, any accident or injury to any individual producing death or requiring the aid of a surgeon, it shall be the duty of the employer, superintendent or agent having charge of the work upon which, or in connection with which, the accident or injury occurred, to send a written notice of the accident to the commissioner of labor within ten days of the time of the accident or injury, stating, as fully as possible, the time or place when or where said accident or injury occurred, the name and residence of the person or persons killed or injured, and the place to which, if injured, the person or persons have been removed.

SEC. 10. A copy of the first ten sections of this act together with the name and address of the commissioner of labor printed in a legible manner, shall be kept posted in each workroom of every factory, mill and workshop, and in the office of every public and private works, upon the employer or his agent or superintendent being supplied with copies thereof by the commissioner of labor or by one of the factory inspectors.

SEC. 11. It shall be the duty of the commissioner of labor and of each of the factory inspectors, under the direction and supervision of said commissioner, to secure the enforcement of this act, and of other acts providing for the protection of employé, now or hereafter to be enacted. And for that purpose they and each of them are hereby empowered to visit and inspect at all reasonable hours, and at all times during working hours and as often as shall be necessary, all factories, mills, workshops, buildings, and public and private works where labor is employed in this state. In the enforcement of this act the said commissioner and factory inspectors shall give proper notices or orders to the person owning, operating or managing the factory, mills, workshop, hotel, restaurant, building, public or private works inspected by them or by either of them. The inspectors shall enter in books, provided for that purpose, copies of all notices and orders given by them, and a record of all inspections and examinations made, and these books shall be filed and preserved in the office of the commissioner of labor. They shall also make complaints to the county attorney or other proper prosecuting officer, or the proper court in the several counties or municipalities, respectively, of all violations of this act, and of other laws for the protection of employé.

SEC. 12. Whenever a factory inspector, in connection with his visit to any factory, workshop, building, or public or private works, finds on the part of the person owning,

operating, or managing the same, any act, default or omission mentioned in any local ordinance of any city, town or village, provided for the protection of employ  s, the said inspector shall give written notice of said act, omission or default to the proper local municipal authority or department and take any steps permissible under said local ordinance for the enforcement of the same. Whenever any act or omission, mentioned under this act, is also an act or omission under the provisions of any local ordinance of any city or municipality, any person who has previously given written notice to the proper local authority or department may, after a period of thirty days, petition in writing, to the commissioner of labor, providing the said local authority or department have not in the meantime enforced said ordinance. The said commissioner upon the receipt of said petition, either in person or by one of the factory inspectors, shall, as soon as possible, examine into the matter and take such steps as may be necessary to enforce this act and other acts providing for the protection of employ  s.

SEC. 13. The orders and notices required under this chapter shall be written or printed, and signed officially by the commissioner of labor or by one of the factory inspectors, and may be served by one of those officers or by any other officer or indifferent person, by delivering to the person upon whom service is to be made, or by leaving at his usual place of abode or business an attested copy thereof. Notice to one member of a firm shall be notice to every member thereof, and notice to the president, secretary or treasurer or managing agent or superintendent of a corporation, shall be notice to such corporation.

SEC. 14. Any person aggrieved by the order, requirement or direction of a factory inspector may, within ten days from the day of service thereof, apply for an injunction against the enforcement of the same to a judge of the district court, and thereupon, after such notice, as the said judge shall order, to all parties interested, a hearing may be had before some judge of said court, within thirty days, at such convenient place as shall be fixed by said order, or the said judge may appoint three experts to examine the matter and hear the parties, which experts shall be disinterested persons and skilled in the subject matter of the controversy, and the decision of the said court upon the report of the said experts, or a majority thereof, in writing under oath, filed within ten days from the date of such hearing, in the clerk's office of said court, in the county wherein is the subject of the controversy, may either alter the order, requirement or direction of such inspector, annul it in full or affirm the same. A duly certified copy of said decision, so filed as aforesaid, shall have the same authority, force and effect as the original order of the inspector, and shall take the place of said original order. The court may award reasonable compensation to experts appointed under the provisions of this section, to be paid from the contingent fund of the bureau of labor, provided the appeal is decided against the order of the inspector, and to be paid by the party taking the appeal in case the order of the inspector is sustained.

SEC. 15. The county attorney of any county, or the proper prosecuting officer of any city or municipality in the state, is hereby authorized and directed upon the request of the commissioner of labor or of any factory inspector, to commence and to prosecute to termination before the proper court, actions and proceedings against the person or persons residing within the limits of his county or municipality, reported to him to have violated the provisions of this act and other acts for the protection of employ  s.

SEC. 16. Any person who violates or omits to comply with any of the foregoing requirements or provisions of this act, or who disregards any order, notice or requirement of said commissioner or of a factory inspector, when said order or notice is made

number of water-closets, earth-closets, or privies for the reasonable use of the persons employed therein. And whenever male and female persons are employed as aforesaid together, water-closets, earth-closets or privies, separate and apart, shall be provided for the use of each sex, and plainly so designated, and no person shall be allowed to use such closet or privy assigned to the other sex. Such closets shall be properly screened and ventilated, and at all times kept in a clean and a good sanitary condition. In factories, mills and workshops, and in all other places where the labor performed by the operator is of such a character that it becomes desirable or necessary to change the clothing, wholly or in part, before leaving the building at the close of a day's toil, separate dressing rooms shall be provided for women and girls whenever so required by the factory inspector.

Sec. 8. No employé in any factory, mill or workshop, or upon any public or private works, shall be permitted or allowed to remove or destroy any guard for dangerous machinery and places and other safety appliances which their employers shall have provided in accordance with the provisions of this act, except in accordance with the rules and regulations provided for such removal or displacement by said employers.

Sec. 9. Whenever there occurs, in connection with any factory, mill or workshop, or any public or private works in the state, any accident or injury to any individual producing death or requiring the aid of a surgeon, it shall be the duty of the employer, superintendent or agent having charge of the work upon which, or in connection with which, the accident or injury occurred, to send a written notice of the accident to the commissioner of labor within ten days of the time of the accident or injury, stating, as fully as possible, the time or place when or where said accident or injury occurred, the name and residence of the person or persons killed or injured, and the place to which, if injured, the person or persons have been removed.

Sec. 10. A copy of the first ten sections of this act together with the name and address of the commissioner of labor printed in a legible manner, shall be kept posted in each workroom of every factory, mill and workshop, and in the office of every public and private works, upon the employer or his agent or superintendent being supplied with copies thereof by the commissioner of labor or by one of the factory inspectors.

Sec. 11. It shall be the duty of the commissioner of labor and of each of the factory inspectors, under the direction and supervision of said commissioner, to secure the enforcement of this act, and of other acts providing for the protection of employées, now or hereafter to be enacted. And for that purpose they and each of them are hereby empowered to visit and inspect at all reasonable hours, and at all times during working hours and as often as shall be necessary, all factories, mills, workshops, buildings, and public and private works where labor is employed in this state. In the enforcement of this act the said commissioner and factory inspectors shall give proper notices or orders to the person owning, operating or managing the factory, mills, workshop, hotel, restaurant, building, public or private works inspected by them or by either of them. The inspectors shall enter in books, provided for that purpose, copies of all notices and orders given by them, and a record of all inspections and examinations made, and these books shall be filed and preserved in the office of the commissioner of labor. They shall also make complaints to the county attorney or other proper prosecuting officer, or the proper court in the several counties or municipalities, respectively, of all violations of this act, and of other laws for the protection of employées.

Sec. 12. Whenever a factory inspector, in connection with his visit to any factory, workshop, building, or public or private works, finds on the part of the person owning,

operating, or managing the same, any act, default or omission mentioned in any local ordinance of any city, town or village, provided for the protection of employ  s, the said inspector shall give written notice of said act, omission or default to the proper local municipal authority or department and take any steps permissible under said local ordinance for the enforcement of the same. Whenever any act or omission, mentioned under this act, is also an act or omission under the provisions of any local ordinance of any city or municipality, any person who has previously given written notice to the proper local authority or department may, after a period of thirty days, petition in writing, to the commissioner of labor, providing the said local authority or department have not in the meantime enforced said ordinance. The said commissioner upon the receipt of said petition, either in person or by one of the factory inspectors, shall, as soon as possible, examine into the matter and take such steps as may be necessary to enforce this act and other acts providing for the protection of employ  s.

SEC. 13. The orders and notices required under this chapter shall be written or printed, and signed officially by the commissioner of labor or by one of the factory inspectors, and may be served by one of those officers or by any other officer or indifferent person, by delivering to the person upon whom service is to be made, or by leaving at his usual place of abode or business an attested copy thereof. Notice to one member of a firm shall be notice to every member thereof, and notice to the president, secretary or treasurer or managing agent or superintendent of a corporation, shall be notice to such corporation.

SEC. 14. Any person aggrieved by the order, requirement or direction of a factory inspector may, within ten days from the day of service thereof, apply for an injunction against the enforcement of the same to a judge of the district court, and thereupon, after such notice, as the said judge shall order, to all parties interested, a hearing may be had before some judge of said court, within thirty days, at such convenient place as shall be fixed by said order, or the said judge may appoint three experts to examine the matter and hear the parties, which experts shall be disinterested persons and skilled in the subject matter of the controversy, and the decision of the said court upon the report of the said experts, or a majority thereof, in writing under oath, filed within ten days from the date of such hearing, in the clerk's office of said court, in the county wherein is the subject of the controversy, may either alter the order, requirement or direction of such inspector, annul it in full or affirm the same. A duly certified copy of said decision, so filed as aforesaid, shall have the same authority, force and effect as the original order of the inspector, and shall take the place of said original order. The court may award reasonable compensation to experts appointed under the provisions of this section, to be paid from the contingent fund of the bureau of labor, provided the appeal is decided against the order of the inspector, and to be paid by the party taking the appeal in case the order of the inspector is sustained.

SEC. 15. The county attorney of any county, or the proper prosecuting officer of any city or municipality in the state, is hereby authorized and directed upon the request of the commissioner of labor or of any factory inspector, to commence and to prosecute to termination before the proper court, actions and proceedings against the person or persons residing within the limits of his county or municipality, reported to him to have violated the provisions of this act and other acts for the protection of employ  s.

SEC. 16. Any person who violates or omits to comply with any of the foregoing requirements or provisions of this act, or who disregards any order, notice or requirement of said commissioner or of a factory inspector, when said order or notice is made

in accordance with the provisions of this act, or who obstructs or interferes with any examination or investigation being made by a factory inspector, shall be guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not less than twenty-five dollars nor more than one hundred dollars, or by imprisonment not less than fifteen days nor more than ninety days. No criminal prosecution shall be made for any violation of the provisions of the first seven sections of this act until thirty days after notice in writing, by a factory inspector, or the commissioner of labor, of any change necessary to be made to comply with the provisions of this act, has been served upon said person, and not then if, in the meantime, such changes have been made in accordance with such notification. This period of thirty days shall not, however, be allowed to the owner, agent or manager of any factory, mill, workshop or other building where said owner, agent or manager has been ordered to put a water-closet or privy into good sanitary condition, the only defect of said closet or privy being due to the neglect or carelessness in its management or supervision. The owner, manager or agent in such case shall be liable for the penalty of this section if he fails to put said closet or privy into good sanitary condition within forty-eight hours from the receipt of the notice required by this act. In case of an appeal from the order, requirement or direction of the said commissioner or factory inspector, as hereinbefore provided, the thirty days allowed by this section shall be reckoned from the date of the decision of the judge or that of the three experts.

SEC. 17. The following terms used in this act shall have the following meaning:

The term "person" means any individual, corporation, partnership, company or association.

The term "factory" or "mill" means any premises where steam, water or other mechanical power is used in aid of any manufacturing or printing process there carried on. The term "workshop" means any premises, room or place not being a factory or mill as above defined, wherein any labor is exercised by way of trade or for purposes of gain in or incidental to any process of making, altering, repairing, cleaning, ornamenting, finishing or adapting for sale any article or part of an article, and to which or over which building, premises, room or place the employer of the persons employed or working therein has the right of access or control: *Provided, however,* That the exercise of such manual or other labor in a private house or private room by a family dwelling therein, or by any of them, or in case a majority of the persons therein employed are members of such family, shall not of itself constitute such house or room a workshop within this definition.

The term "public or private works" means any mine, railroad or railroad yard, telegraph company, the work of constructing any sewer, bridge, tunnel, the road bed of any railroad, any building or other structure by the authorities of any city, town or municipality, except in so far as the regulation thereof is now conferred upon the board of railroad and warehouse commissioners.

The term "factory inspector" means any deputy or other officer or employé connected with the bureau of labor authorized by this or any other act to act as inspector of factories or other buildings or places.

SEC. 18. All acts and parts of acts inconsistent with the provisions of this act are hereby repealed.

SEC. 19. This act shall take effect and be in force from and after its passage.

Approved March 30, 1893.





FIRST ANNUAL REPORT
OF THE
DAIRY AND FOOD COMMISSIONER
OF THE
STATE OF MICHIGAN

1893



BY AUTHORITY

LANSING
ROBERT SMITH & CO., STATE PRINTERS AND BINDERS
1894

LETTER OF TRANSMITTAL.

OFFICE OF THE DAIRY AND FOOD COMMISSIONER, {
Lansing, Michigan, January 2, 1892. }

HON. JOHN T. RICH, *Governor of Michigan:*

DEAR SIR—In compliance with the requirements of the law creating the office of Dairy and Food Commissioner, I have the honor of transmitting to you herewith the first annual report of this department.

Very respectfully,

C. E. STORRS,

Dairy and Food Commissioner.

REPORT.

HON. JOHN T. RICH, *Governor of Michigan:*

Act No. 211, of 1893, providing for the appointment of a Dairy and Food Commissioner, requires that officer to make an annual report which shall cover the doings of his office for the preceding calendar year. Since that act did not take effect until the period fixed by the constitution after the close of the session, the transactions of this office covered only the last four months of 1893. The greater part of that time was spent in studying the field assigned the commissioner for his labors, in devising methods of investigation and work and in laying the foundations for the future operations of the department. Such work can never be hurriedly done, if it is to be well done. For this reason the report of the doings of this office for the preceding calendar year will show less of practical operations and more of "suggestions relative to the statutes in force" than any succeeding report will probably do.

Having deemed it best to begin the work of investigation first with the manufacturers of adulterated food products, I experienced some difficulty in securing specimens for analysis, which could be definitely traced to their sources. Manufacturers of such products are unwilling to admit strangers to their places of business and the commissioner is armed with no authority of law to demand entrance. But almost invariably the samples secured, as will be seen by the report of the State analyst hereto attached, have proved to be what they were suspected of being—unfit compounds to be taken into the human stomach. The results shown by the work of the State Analyst, under the direction of this department, have already justified the creation of the office of Dairy and Food Commissioner, and have demonstrated the necessity of more thorough and energetic work than can be accomplished under the laws of the State as they now exist.

No prosecutions for the violation of the laws were begun during last year. I felt it to be the best policy to call the attention of the people to the evils of food adulteration and to awaken, so far as possible, a strong sentiment in favor of the enforcement of the laws which had been allowed to slumber so long, before resorting to the harsher measures of prosecution. Deeming the manufacturer as primarily the most guilty party, since he always knows the unlawful composition of his products while the dealer may sell them innocently, and knowing that any attack made upon him would be vigorously resisted, I wished to have the matter of proof well in hand

before making any complaints. One prosecution improvidently begun and abandoned or lost would do more harm than a little delay. This department must not be defeated in its first attempts. To lose some cases after the department is well established and has won the confidence of the people for prudence and effective work will do no harm, but to suffer an ignominious defeat at the outset would be disastrous. Some additional reasons for prudence in this respect may be gathered from the suggestions as to changes in the laws, which I shall make later in this report.

The act establishing this office requires the commissioner to make annually such recommendations relative to the statutes in force as his experience may justify. In my endeavors to devise and establish a practicable system for the future work of this department, I have made a careful study of the laws now in force relative to the adulteration of food products. One of their greatest needs at present is a thorough and systematic codification. Some of the laws were enacted years ago, perhaps in a more honest generation, before the greed of gain had acquired so strong a sway in the business world, before the conflict of competition had driven manufacturers and dealers to their wits end to overreach one another, and before the people had allowed their prudence to be almost stifled by their desire to buy cheap products. Adulteration has now become a science. The older statutes were not passed to meet such emergencies and are too meager in their provisions for prompt and convenient enforcement. The later statutes are, perhaps, each one for itself, better adapted to the present condition of affairs, but it would be of great advantage to this office to have a general revision of the whole, so as to do away with repetitions and to secure uniformity of language, provisions and penalties. When such revision is made, as it must be if this department is to cope successfully with the gigantic evil against which it is pitted, several additional provisions should be incorporated into the laws. I will here mention such as have come to my attention.

I.

A system should be devised that shall be not only simple and not too expensive, but also thorough, for the inspection of creameries and all places where cheese, butterine, oleomargarine and vinegar are manufactured, or any other articles prepared for human food. Experience has demonstrated the fact that a certain class of manufacturers and dealers will violate the laws relative to the adulteration of food, if not prevented by fear of the penalties. It is safer, easier and less expensive to prevent before the fact than afterward. No man should be allowed to manufacture articles of food in dark places or by secret processes. Railroad and other transportation companies that carry our bodies to and fro, although composed of private individuals and stocked by private capital, are nevertheless quasi public in their nature and subject to public regulation and supervision. Why should not those places where the nourishment for our bodies is prepared be considered equally as public in their nature? If we will not allow railroad companies to mangle our bodies with impunity, why should we permit unscrupulous manufacturers of food products to poison and kill them with impunity? As the railroad commissioner is given authority to inspect tracks, bridges and other portions of railroad property to see that they comply with the legal standards of safety, why should not the dairy and food commissioner, by himself or agents, be authorized to

exercise the same rights of supervision and inspection of food factories? But since the factories are numerous and would require a constant supervision, it would not be possible for the commissioner to attend alone to all the duties of inspection, so that inspectors of districts should be appointed by him, be responsible to him and make due reports to him. This would keep the commissioner in constant communication with all parts of the State. Such inspection would most effectually prevent the manufacture of fraudulent and deleterious compounds for food within this State. Their manufacture in other states could not of course be prevented by our laws, but the sale of such products here could be prevented by other powers conferred upon the commissioner, to be hereafter noticed. On the well known principle that prevention is better than cure, this inspection would, it seems to me, be more effective than chasing all over the State for adulterated food products, after they have been secretly made and put upon the market. If this system of inspection seems a great deal to ask for this department, before it has had much actual experience in this line of work, permit me to say that the results of such a system in other states fully justify the conclusion that it would be a good policy for Michigan to adopt.

There is an especial reason, why this system of inspection should be established for cheese factories. Such a system has resulted beneficially in Wisconsin especially and in some other states. It has made the products of Wisconsin and Minnesota cheese factories favorite brands in the markets outside of their own states and has greatly increased the demand for the same, while Michigan cheese is scarcely known outside of Michigan and even has to compete within our borders with products bearing brands that have become guaranties of their good qualities. The commissioner should be authorized to furnish to each factory brands showing two grades of cheese—"full cream" and "skimmed" cheese. An appropriate standard of "full cream" cheese should be established by the legislature, allowing everything below that standard to be classified as "skimmed" cheese. Penalties should be prescribed for any misuse of these brands and the constant inspection of these factories by the district inspectors would tend to the enforcement of such penalties in case of violation. The so-called "filling" of cheese or the substitution of other cheaper fats for the cream taken off should be more effectually prohibited by law.

If it be objected that such a system of inspection would necessarily be expensive, it may be answered that in Wisconsin, Minnesota and New York the impulse given to the dairy business and the increased demand for, and sale of their dairy products have many times over compensated the people for the expenses of inspection.

II.

Following closely upon the right of inspection and as the logical conclusion of it, is the right to take samples of any and all suspected food products, whenever and wherever found. Such right should be conferred upon the commissioner. This is no new idea in law, although not incorporated in the Michigan statutes. In Wisconsin the commissioner or any assistant is clothed with the power, in the performance of his official duties, to enter any creamery, factory, store, salesroom or other place or building where he has reason to believe that any food or drink or drug is made, prepared, sold or offered for sale, and to open any cask, tub, pack-

age or receptacle of any kind containing, or supposed to contain, any such article, and to examine or cause to be examined or analyzed the contents thereof, and the commissioner, or any of his assistants, may seize or take any article of food or drink or drug for analysis. Provisions are added for the due protection of private rights and severe penalties are imposed for any hindrance or obstruction of the officers in the exercise of such right. Similiar provisions are incorporated into the laws of Ohio, Minnesota and New York. Although not found in the pure food laws of this state, like powers are given to the game and fish warden by the law of 1893. He has power to search for game unlawfully killed and to seize the same. This is based on the principle that a man can have no legal property in game unlawfully taken. It is contraband of law. The same principle holds good in the case of the articles of food made in defiance of law. And there is more reason for giving such powers to the Dairy and Food Commissioner than to the Game and Fish Warden, for the lives and health of its citizens are for dearer to the state of Michigan than the scattered and rapidly disappearing remnants of wild game within its borders. I have already experienced the necessity of such authority. Manufacturers of unlawful food products, as I have stated, are careful to exclude the public from their workshops and laboratories, and I have had to resort to stratagem to secure samples for analysis. While such methods of work on the part of the commissioner may avail for a time, manufacturers will grow more and more wary and will devise ways of hindering him; but there is still another more serious objection. Such methods of securing samples weaken the chain of evidence and identification, whereas a direct selection and seizure of samples would obviate all uncertainty. The right to confer such authority upon its officers has been too often judicially recognized as belonging to the State to leave any question of constitutionality. It is simply a question of policy as to the proper method of enforcing the laws.

III.

Referring to the principle expressed above, that no person can have a legal right of property in food products manufactured in defiance of law, it may be added also that such articles of food themselves have no legal right of existence. They are manufactured solely to be sold for food, but for such use are unlawful products. The commissioner should have the right to seize and confiscate, in the name of the people of the State of Michigan, any article of food found, upon proper analysis, to contain any ingredient injurious to life or health. The laws of Minnesota confer this authority upon the Dairy and Food Commissioner of that state in certain cases. The law of Michigan also (Howell's statutes 9317) provide that adulterated food products or liquors intended for drinking shall be forfeited and destroyed, but no one is specifically given the authority, nor is it made the duty of any officer to make the seizure. Very extensive powers of seizure of unlawful fishing appliances or of game and fish unlawfully killed or taken are given to the Game and Fish Warden, for the due enforcement of the laws for the preservation and protection of fish and game. Provisions should be made for the proper disposition, under such regulations, as will protect lawful property rights, of the articles so seized by the commissioner. Such articles as could be sold for uses other than as food might be so disposed of, while such as could be put to no legitimate use should be destroyed.

The right of seizure for confiscation affords the only effectual method of dealing with articles of food manufactured in other states and shipped into this State for sale. The manufacturer himself cannot be reached, but the strong arm of the law can be made available as against his unlawful products.

Standards of purity, for the guidance of manufacturers of all articles intended for food, should be established by the legislature, and the legitimacy of each article could then be tested by reference to its appropriate standard. If it fell below such standard in essential qualities or ingredients, it would be a fraud on the public, unless sold for just what it really was, with full information to the purchaser; if, however, the article varied from the standard of purity on account of the admixture of deleterious ingredients, it would be not merely a fraud, but a vicious product that ought to be removed from sale by summary seizure and confiscation.

IV.

There are several other suggestions which I would make as to changes in the laws under which this department is to operate. They can be very appropriately grouped together here.

So much of an official character has been given to the State Analyst, that it seems strange that the legislature did not at the same time stamp his work with the same official character. In other states the certificate of analysis of any food product, officially signed by the person designated by law to make such analysis, is received as *prima facie* evidence in all the courts of the State where made. This arms the commissioner with *prima facie* authority to proceed. If any legal contest arises over the correctness of the certificate, the burden of proof in such contest lies on the defendant and not on the people. Similar provisions should be incorporated in the Michigan statutes. As they are now, the work of the State Analyst goes for naught, except so far as he can be used as an expert witness. This will require the commissioner to take the State Analyst with him to the trial of every prosecution begun, no matter how far from his residence at the agricultural college the trial may be had. This makes very expensive and troublesome the principal part of the evidence relied upon for conviction. It would be found very burdensome to the Analyst, in case of numerous prosecutions and, in fact, it might at times prove impracticable or might occasion frequent adjournments. This shows the necessity of making the State Analyst's certificate *prima facie* evidence.

A provision should also be incorporated in the law authorizing the commissioner to employ some other person to make necessary analyses in case of the death or disability of the State Analyst. Should a vacancy be created in that important office by the death, removal or resignation of the incumbent during the long vacation in the agricultural college year and should the State board of agriculture feel justified in taking some time to look into the qualification and availability of candidates before selecting another professor of chemistry, this office might be left for a long time without any legal way of having its analyses made. The analyst is just as liable to be absent or temporarily disabled by accident or disease, as are other officers, and in such way also the operations of this department might be temporarily hampered.

The work of this department has been made somewhat perplexing during its short existence by the failure of the legislature to provide for

necessary clerical assistance in the office. The need of such help will become more and more pressing long before the legislature at its next regular session can remedy this defect in the law. The commissioner is required to keep an office in the city of Lansing. The duties of his position will more and more require his absence from that office. He may, in case of some important prosecution, be detained a week or more at a great distance from the capital. How then is he to keep an office there? Keeping an office does not contemplate locking it up during the recognized business hours of the day. It is contrary to the policy of the State of Michigan to keep its offices closed to its citizens who have business to transact therein. No other State office at the capital is so managed. Every citizen of the State is authorized and expected, when he finds fraudulent, adulterated or deleterious food products in the market, to apply to the commissioner with samples for analysis. In no other way can the people get the full benefit of the law creating this department. Provision should be made for a competent clerk for the office and such clerk should be vested with the powers of a deputy, at least so far as to represent the commissioner in the latter's absence. The allowance of but \$1,000 a year to pay for analyses and clerical help in the work of this office results in seriously hindering the work of the commissioner. The compensation for analyses and for clerk hire are two separate and distinct matters which should never have been joined in unnatural union, to the manifest detriment of both. If the commissioner employs a competent clerk, he has no funds left for analyses. If he pays for one quarter of the number of analyses required in the active discharge of his duties, he has no funds left for clerk hire. Both analyses and clerical help are necessary to the due management of the commissioner's office, but if he tries to secure both on that allowance, he can do but little to protect the people from the great evils of food adulteration. The problem of how to do so much with \$1,000 per annum met me at the outset. Realizing the necessity of having some one with whom I could entrust the office in my absence, I have employed a clerk part of the time. One incident alone which occurred while I was away demonstrates the necessity of having some person of sufficient judgment and experience to act in the commissioner's absence. A large consignment of samples which I had had procured for me and which proved on analysis to be very injurious compounds for food purposes, came to the office in my absence. Had there been no one in the office to receive them and properly dispose of them, the identification of the same might have been destroyed, so far as legal evidence is concerned. If samples sent in for analysis are to be left in the custody of no one responsible for their care, for an indefinite length of time, while the commissioner is necessarily away, how can the commissioner be expected to identify such samples with sufficient accuracy for the purposes of criminal prosecution and conviction? A shrewd lawyer on the defense would like nothing better than to find such a flaw in the chain of evidence. Some one should be in the office at all times, of sufficient judgment and experience to receive and properly label for purposes of identification any samples sent or brought in, to make proper record of the same and to transmit them to the State Analyst for examination. But no such person can be employed on the allowance made to this department, if the analyses are to be paid for out of the same fund.

It seems to me that the Dairy and Food Commissioner can accomplish the most good at first in an educational way. He should lay before the

people from time to time the discoveries which he makes and which so vitally concern them. When once the people have become thoroughly aroused on the subject of food adulteration and fully understand the extent to which the nefarious business is carried, the battle against the evil will have been more than half won. The unscrupulous adulterator's profits will have greatly shrunk in volume, for intelligent persons will no longer submit to his swindles or endanger their health by consuming his villainous concoctions. He can then practice his arts only on the wilfully ignorant and indifferent, from which resort he will have to be finally driven by the strong hand of the law.

To carry out the educational feature of the commissioner's work, he should be authorized to issue from time to time, as he may deem expedient, official bulletins to be sent to the press of the State, setting forth the discoveries made relative to the component parts of any deleterious or adulterated food products. In this way the people may be kept on their guard and the sale of such articles may be greatly checked. Such bulletins, coming successively at brief intervals, will do much more good than the whole mass of information accumulated during the calendar year and then thrown together into one long, tedious report at the end of the year. Such a plan has not, to my knowledge, been tried in any of the other states, in connection with this work, but it is somewhat similar to the plan of the monthly crop reports issued from the division of agricultural statistics in the state department, and the bulletins of the agricultural experiment stations, which have been so effective in keeping the people familiar with the condition and progress of agricultural affairs. The plan seems to me to fit in very appropriately with the educational feature of the Dairy and Food Commissioner's work.

The foregoing statements and suggestions are respectfully submitted.

C. E. STORRS,
Dairy and Food Commissioner.

REPORT OF THE STATE ANALYST.

AGRICULTURAL COLLEGE, MICH., }
December 30, 1893.

HON. C. E. STORES, *Dairy and Food Commissioner*:

SIR—I herewith submit my report, as State Analyst, of the results of examination of the various food materials and substances for the preparation of food, which you have placed in my hands for analysis during the part of 1893, since act No. 211, of the session laws of 1893, came into operation. The investigations for these few months develop the need of such work in our State. By placing such facts before the people a healthy public opinion will be created, which will make it unhealthy for the adulterator. The first step to remove an evil is to expose it. This is the important duty of your office in the opinion of

Yours respectfully,

R. C. KEDZIE,
State Analyst.

BAKING POWDERS.

The Cream Yeast baking powder sent by E. N. Bates of Moline, Mich., consists of acid phosphate of lime, or "superphosphate," bi-carbonate of soda and starch. It contains no cream tartar. Available carbonic acid is 7.83%. Inferior quality.

Baking powder (5) consists of alum, bi-carbonate of soda and starch. It contains no cream tartar. The available carbonic acid, 3.2%. A very inefficient baking powder even of the alum class. Unfit for domestic use.

Light House Star baking powder consists of cream tartar, bicarbonate of soda and starch. It contains no alum or acid phosphate. Available carbonic acid, 9.27%.

High Art baking powder consists of cream tartar, bicarbonate of soda

and starch. It contains no alum, or superphosphate. Available carbonic acid, 13.22%. A good baking powder.

Cream Tartar (3). This consists of acid phosphate of lime or "superphosphate," gypsum and starch. It contains no bitartrate of potash or real cream tartar. A fraud.

VINEGARS.

The law of our State in regard to cider vinegar requires not less than 4 per cent of absolute acetic acid, not less than $1\frac{3}{4}$ per cent of solids and the absence of artificial coloring matter and the absence of lead, copper and sulphuric acid. One manufacturer of vinegar is disposed to debate the question of the constitutionality of our law on this subject and to criticise its wisdom. The State Analyst does not consider himself competent to discuss questions of constitutional law and is not disposed to question the advisability of the legal requirements in the case. The results of analysis and comparison with the requirement of the law are here submitted to the public.

Vinegar (7) from Wm. Sayler, Ann Arbor:

Total acetic acid.....	%3.26
Total solids on evaporation.....	.30
Ash left on burning the solids.....	.047
Sulphuric acid as sulphates.....	.002
Specific gravity.....	1.006
Artificial coloring.....	none

Not a cider vinegar by law, as it contains less than 4 per cent of acetic acid and less than $1\frac{3}{4}$ per cent of solids.

Red Cross Vinegar from J. Eichele, Lansing:

Total acetic acid.....	%3.12
Total solids on evaporation.....	.39
Ash left on burning solids.....	.17
Sulphuric acid as sulphates.....	.037
Specific gravity.....	1.0067
Artificial coloring.....	none

Not a legal cider vinegar.

Vinegar from State Prison, Jackson:

Total acetic acid.....	%4.06
Total solids on evaporation.....	.18
Ash from burning solids.....	.03
Specific gravity.....	1.0074
Artificial coloring.....	none

This vinegar contains the required amount of acetic acid, but is deficient in solids. Not a cider vinegar.

Vinegar from James McCoy, Mendon, Mich., bought from Alden Vinegar Co., St. Louis, Mo.:

Total acetic acid.....	% 2.62
Total solids on evaporation.....	.41
Ash from burning solids.....	.158
Specific gravity.....	1.0062
Sulphuric acid as sulphates.....	.036
Coloring matter.....	caramel

Not a fruit vinegar.

In none of these vinegars was the sulphuric acid found in the form of free acid, but in combination with lime for the most part. They appear to be grain-spirit vinegars by oxidation of alcohol, and not by fermentation of fruit juices. Their sale as *cider vinegar* is plainly illegal.

MAPLE SUGAR AND SYRUP.

Where maple sugar is adulterated with pure cane sugar, it is difficult to determine the amount of adulteration, because pure maple sugar and pure cane sugar are chemically identical. The mixture of cane with maple sugar is best detected by the taste, because fresh maple sugar has a peculiar aromatic property easily detected by taste and smell but which has never been isolated, and for which no chemical test is known to the analyst. The attempt has been made, especially in maple syrup, to estimate the amount of added cane syrup by mixing a quantity of maple syrup known to be pure with a quantity of pure cane syrup, till the taste and odor of the mixture equal those of the sample under investigation. The presence of other sugars than sucrose is easily detected and such adulteration readily established.

Vermont maple sugar, Howard & Solon, Jackson:

Contains of water.....	% 5.98
Cane sugar, about.....	50.00
Maple sugar.....	44.00

Appears to be adulterated, but contains no glucose or starch sugars.

Maple syrup (Dec. 6, 1893):

This syrup was in too small quantity for a satisfactory examination. It contained no glucose or starch sugars. Appeared to contain:

Cane syrup.....	% .67
Maple syrup.....	.33

Adulterated.

Williams' Canadian maple syrup:

Contains of water.....	% 35.97
No glucose.	

Consists of a mixture of sugar cane syrup and maple syrup. Not a pure maple syrup.

COFFEE.

Ground coffee from Muskegon:

Pure coffee	% 12.00
Roasted grain—wheat or barley	20.00
Roasted peas or beans	68.00
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	100.00

Badly adulterated "prize coffee."

COFFEE BERRY—ROASTED.

A genuine coffee, but of low grade. It has probably been extracted to make coffee essence and then roasted.

COFFEE EXTRACT.

This consists of roasted chicory and peas, with glucose to cement the materials into a solid roll. Contains no coffee.

BUTTER.

Butter from F. E. Purdy:

This is butter but, of poor quality. Contains no oleomargarine or artificial color.

FLOUR.

The samples of flour were analyzed to find their relative composition, not to find adulterations. These samples were ground in Thoman's mill, Lansing, from mixed red and white wheats grown in Michigan. One is the "roller process" flour and the other "straight" flour made in the ordinary milling method.

Roller process flour:

Moisture evaporated at 212° F.	% 11.96
Ash .....	.50
Fat (ether extract)	1.02
Woody fibre (crude fibre) .....	.12
Starch, sugar, gum, etc. (nitrogen-free ex't)	76.72
Albuminous materials (crude protein)	9.68
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	100.00

Straight flour:

Moisture evaporated at 212° F.	% 12.02
Ash66
Fat (ether extract)	1.31
Woody fibre (crude fibre) .....	.16
Starch, sugar, gum, etc. (nitrogen-free ex't)	75.10
Albuminous material (crude protein)	10.75
	<hr/>
	100.00

